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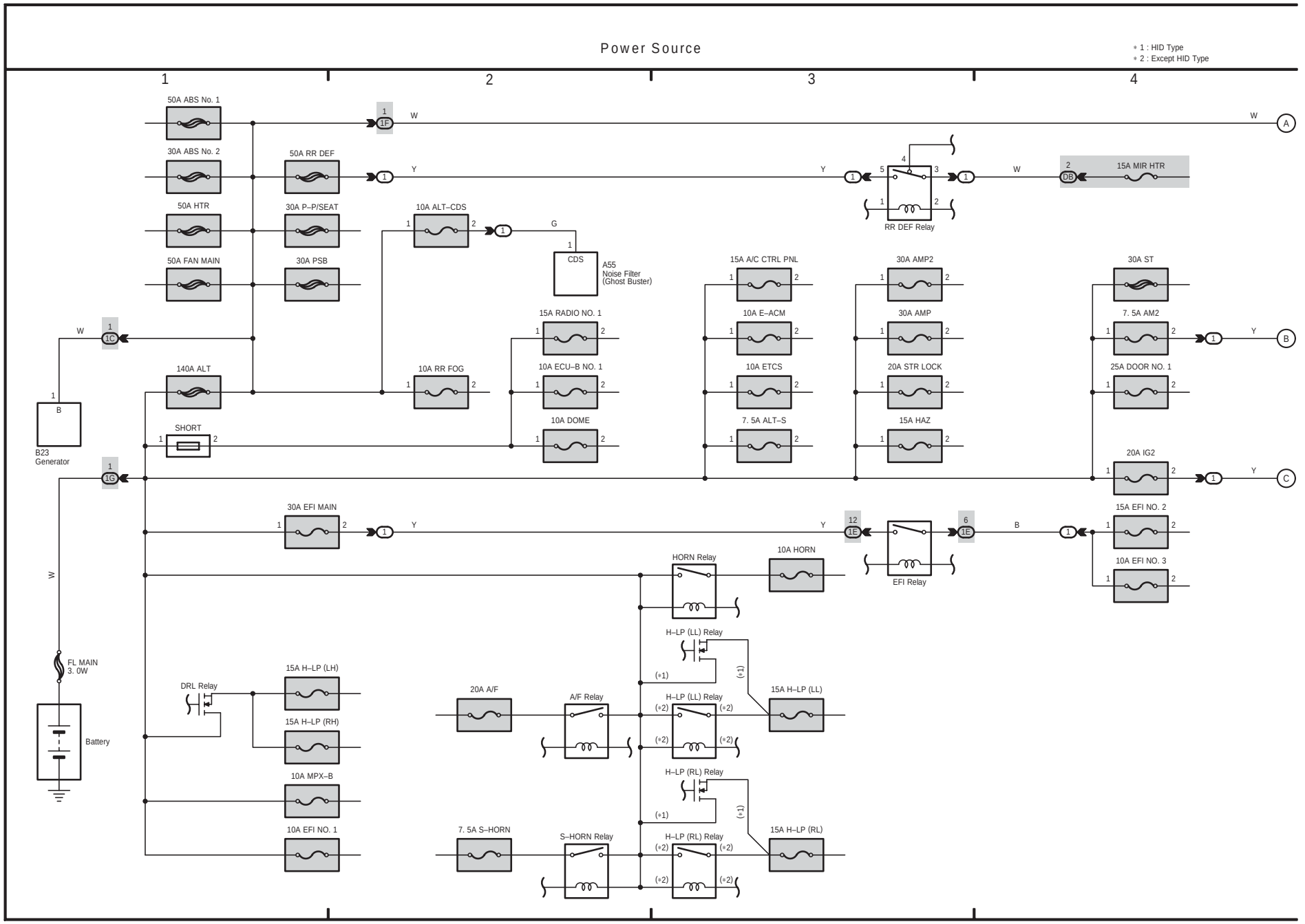
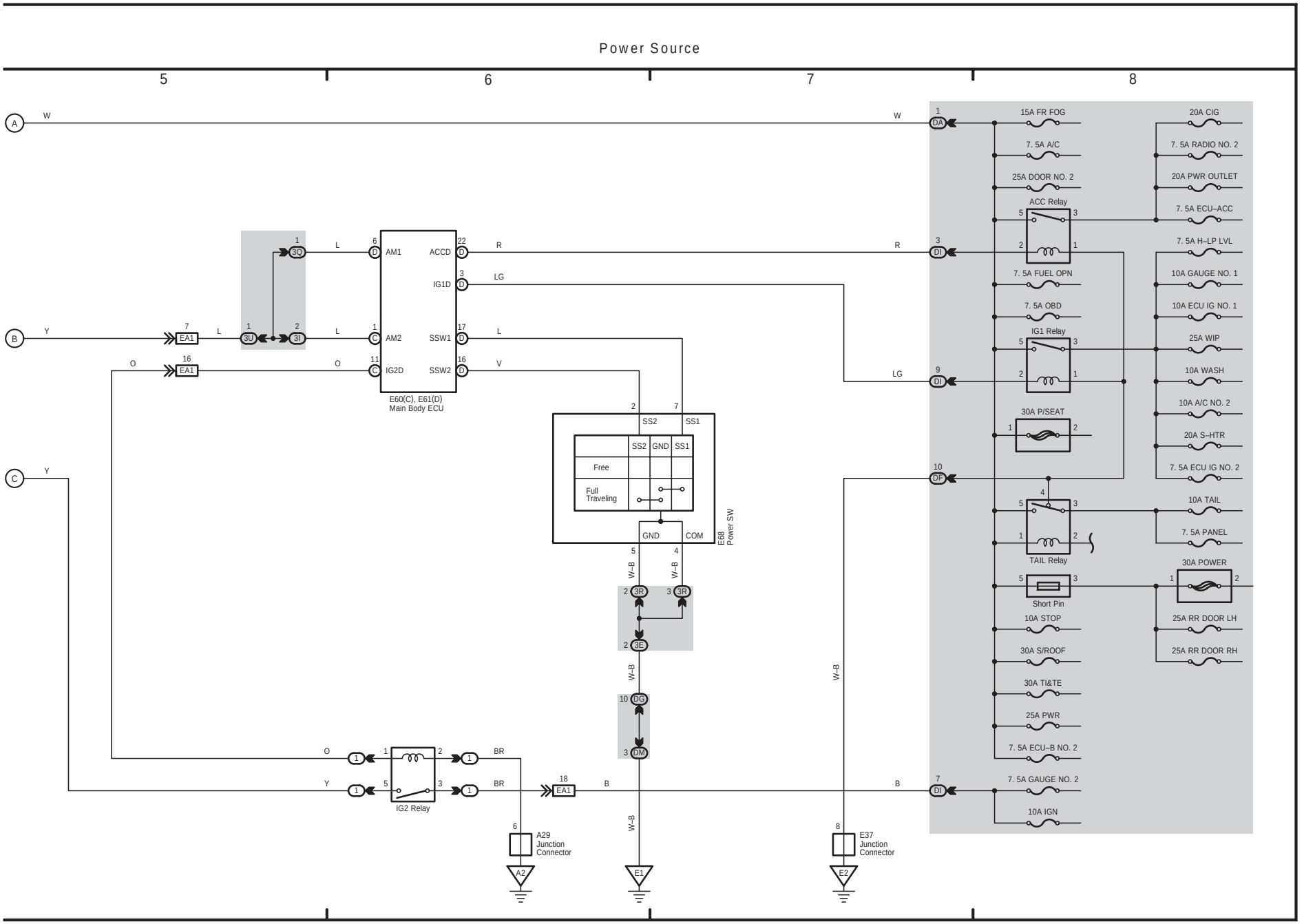
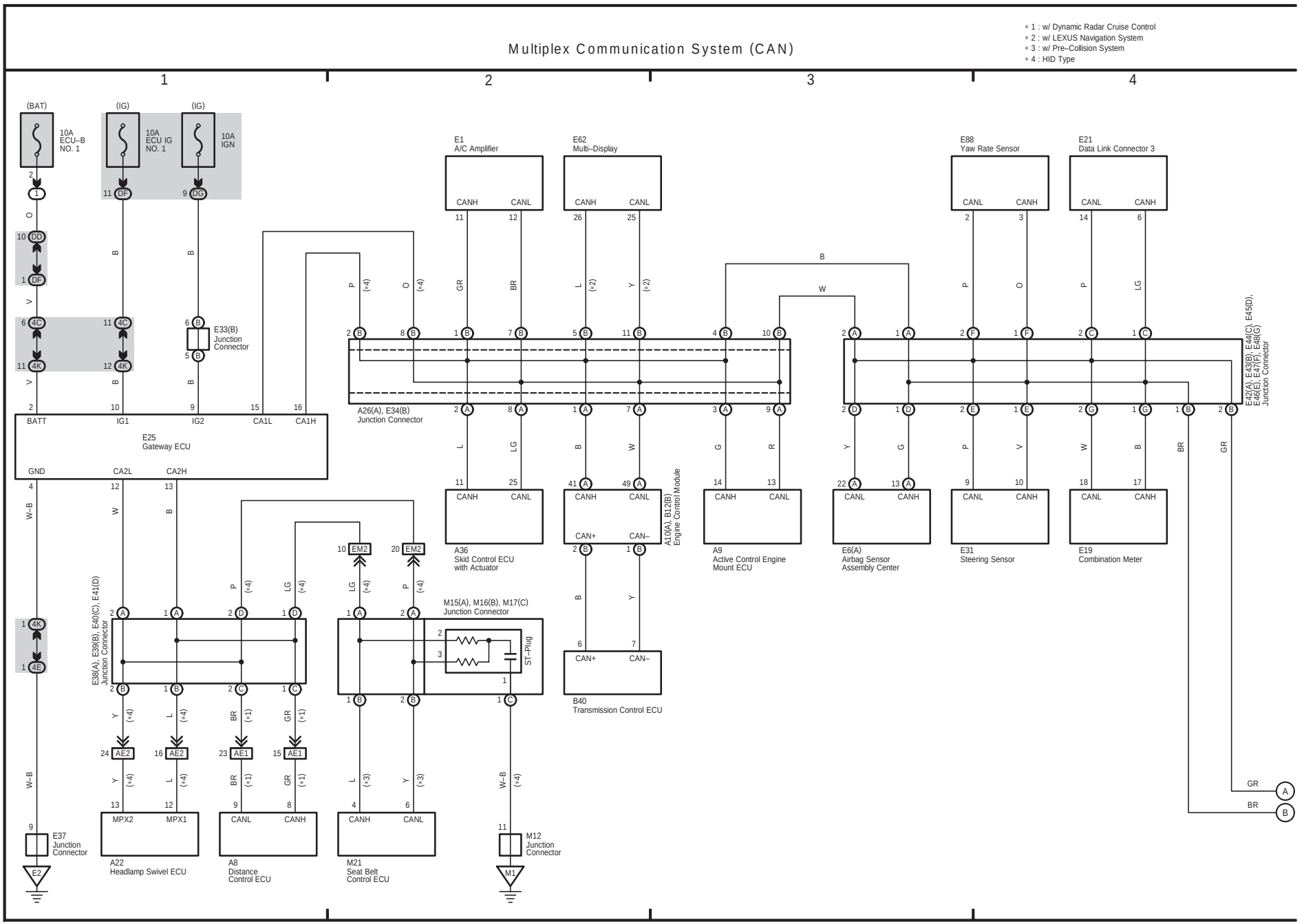



Power Source
5
6
7
8
15A FR FOG
7. 5A A/C
25A DOOR NO. 2
ACC Relay
7. 5A FUEL OPN
7. 5A OBD
IG1 Relay
30A P/SEAT
10A TAIL
TAIL Relay
Short Pin
10A STOP
30A S/ROOF
30A TI&TE
25A PWR
7. 5A ECU–B NO. 2
7. 5A GAUGE NO. 2
10A IGN
20A CIG
7. 5A RADIO NO. 2
20A PWR OUTLET
7. 5A ECU–ACC
7. 5A H–LP LVL
10A GAUGE NO. 1
10A ECU IG NO. 1
25A WIP
10A WASH
10A A/C NO. 2
20A S–HTR
7. 5A ECU IG NO. 2
7. 5A PANEL
30A POWER
25A RR DOOR LH
25A RR DOOR RH
AM1
ACCD
IG1D
AM2
SSW1
IG2D
SSW2
E60(C), E61(D)
Main Body ECU
SS2
SS1
GND
COM
Free
Full Traveling
E68
Power SW
IG2 Relay
A29
Junction Connector
E37
Junction Connector
A2
E1
E2


Multiplex Communication System (CAN)
* 1 : w/ Dynamic Radar Cruise Control
* 2 : w/ LEXUS Navigation System
* 3 : w/ Pre–Collision System
* 4 : HID Type
1
2
3
4
(BAT)
(IG)
(IG)
10A ECU–B NO. 1
10A ECU IG NO. 1
10A IGN
E25 Gateway ECU
BATT
IG1
IG2
CA1L
CA1H
GND
CA2L
CA2H
E1 A/C Amplifier
E62 Multi–Display
E88 Yaw Rate Sensor
E21 Data Link Connector 3
A26(A), E34(B) Junction Connector
E33(B) Junction Connector
E42(A), E43(B), E44(C), E45(D), E46(E), E47(F), E48(G) Junction Connector
A36 Skid Control ECU with Actuator
A10(A), B12(B) Engine Control Module
A9 Active Control Engine Mount ECU
E6(A) Airbag Sensor Assembly Center
E31 Steering Sensor
E19 Combination Meter
B40 Transmission Control ECU
E38(A), E39(B), E40(C), E41(D) Junction Connector
M15(A), M16(B), M17(C) Junction Connector
ST–Plug
A22 Headlamp Swivel ECU
A8 Distance Control ECU
M21 Seat Belt Control ECU
E37 Junction Connector
M12 Junction Connector
E2
M1
MPX2
MPX1
CANH
CANL
CAN+
CAN–

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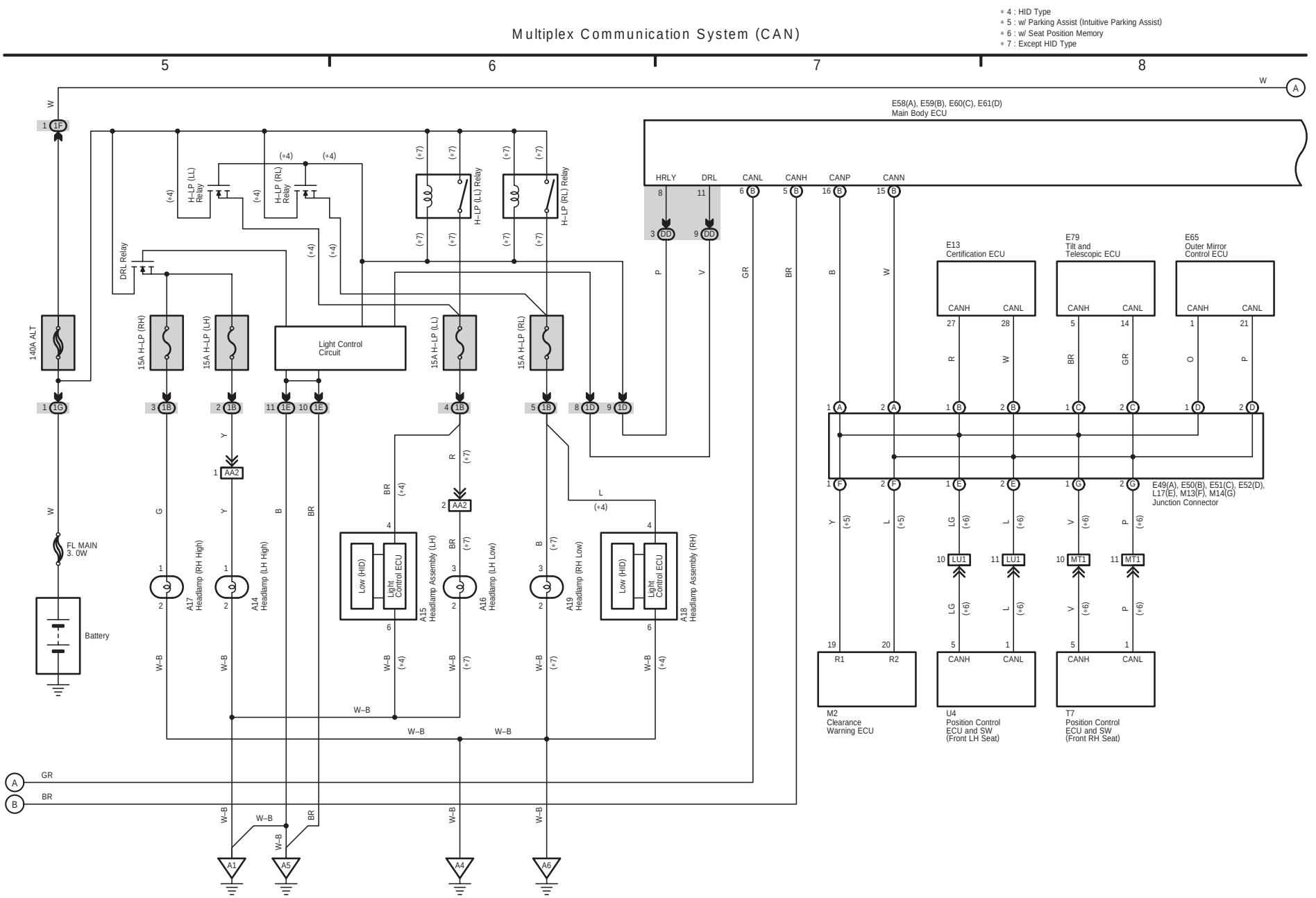

2 ES 350 (Cont' d)

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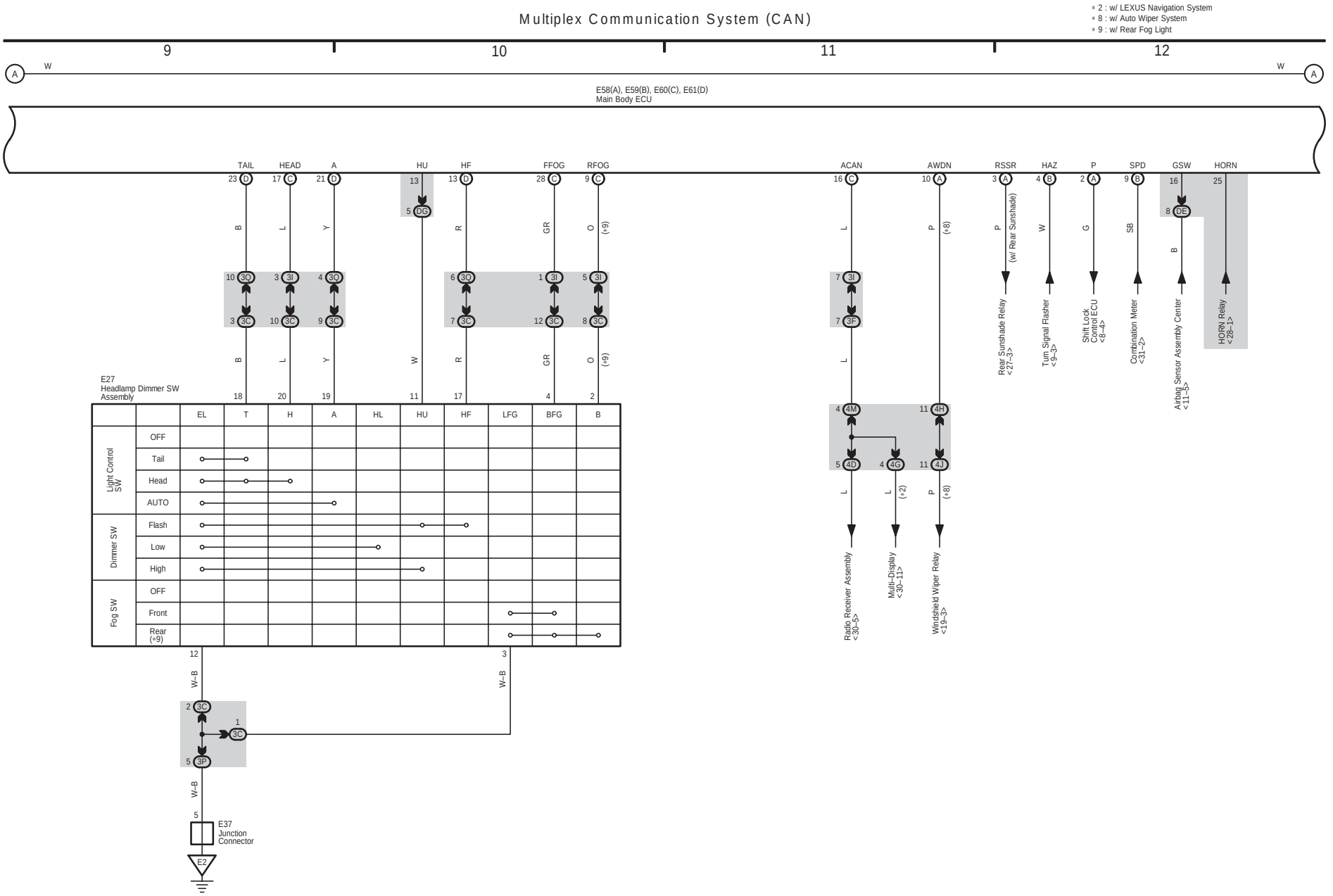

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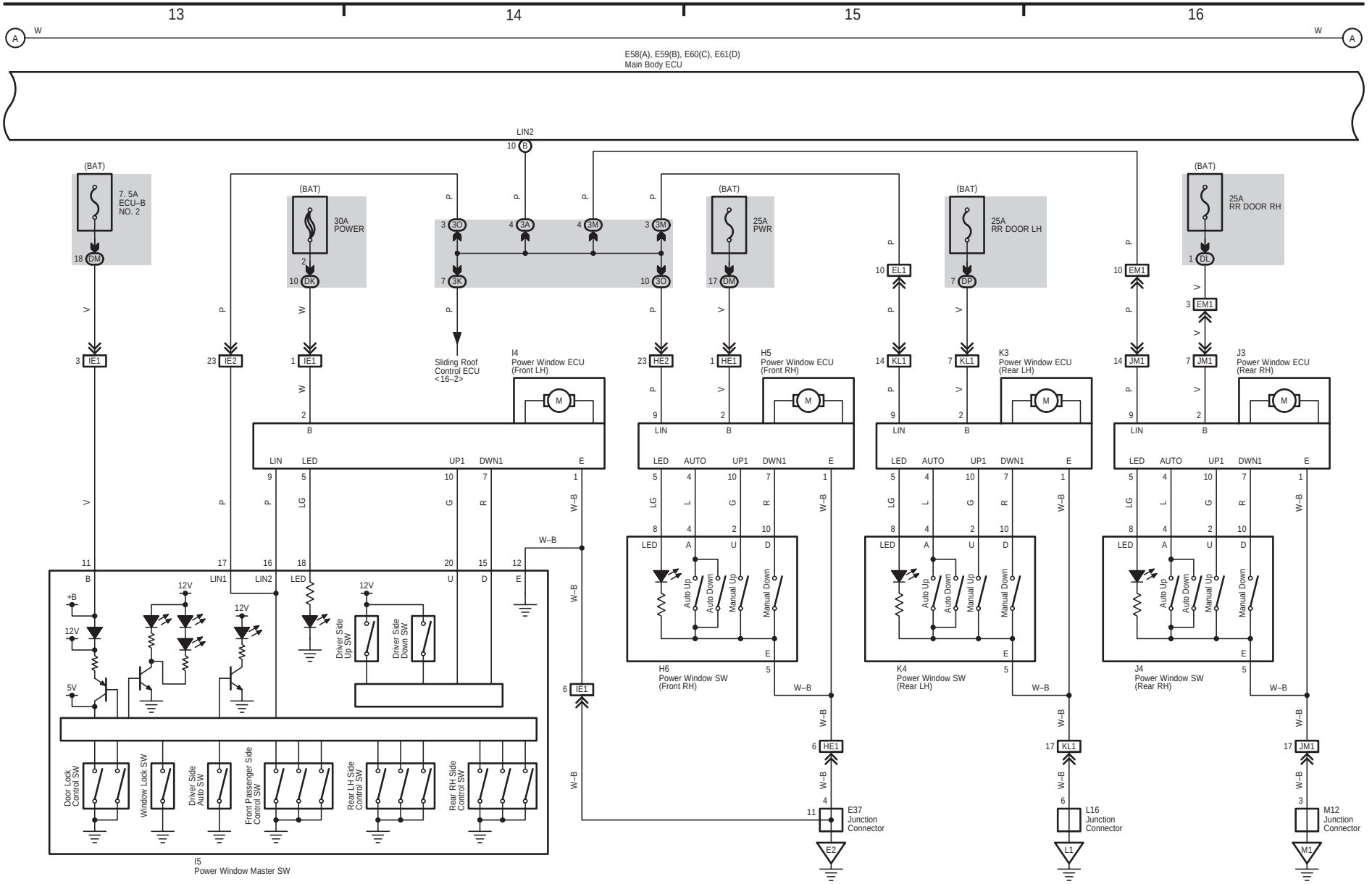
Multiplex Communication System (CAN)



2 ES 350 (Cont' d)

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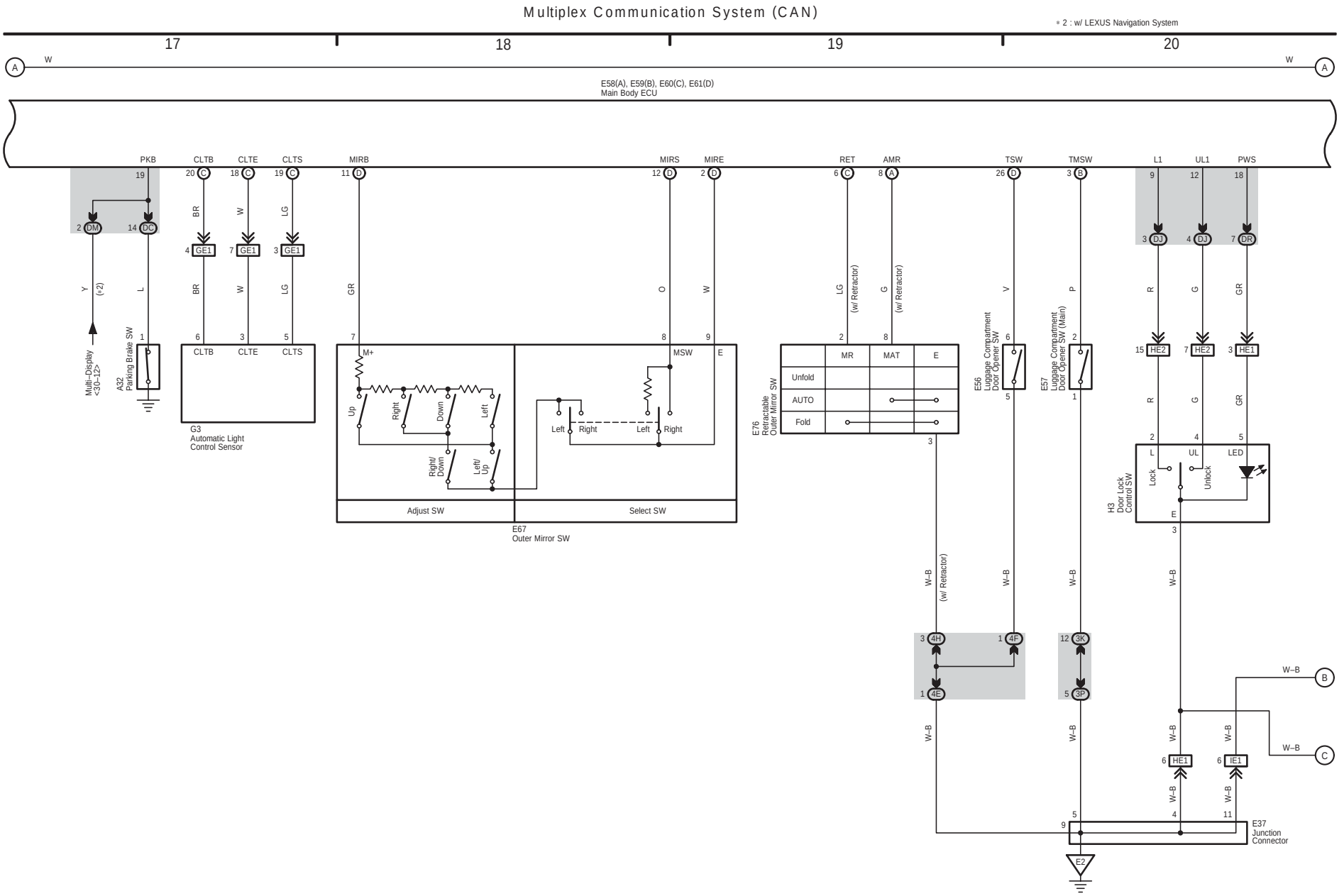

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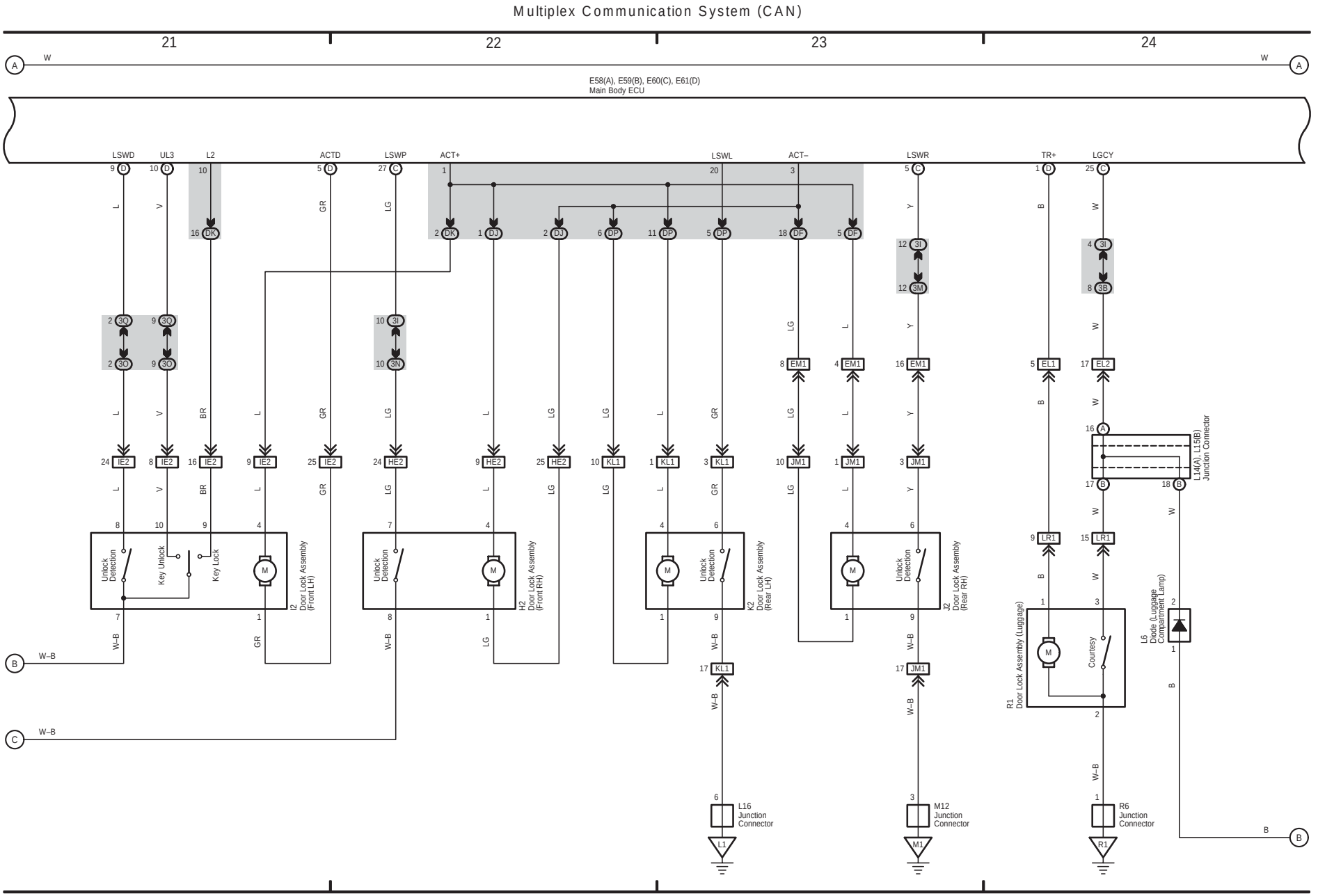

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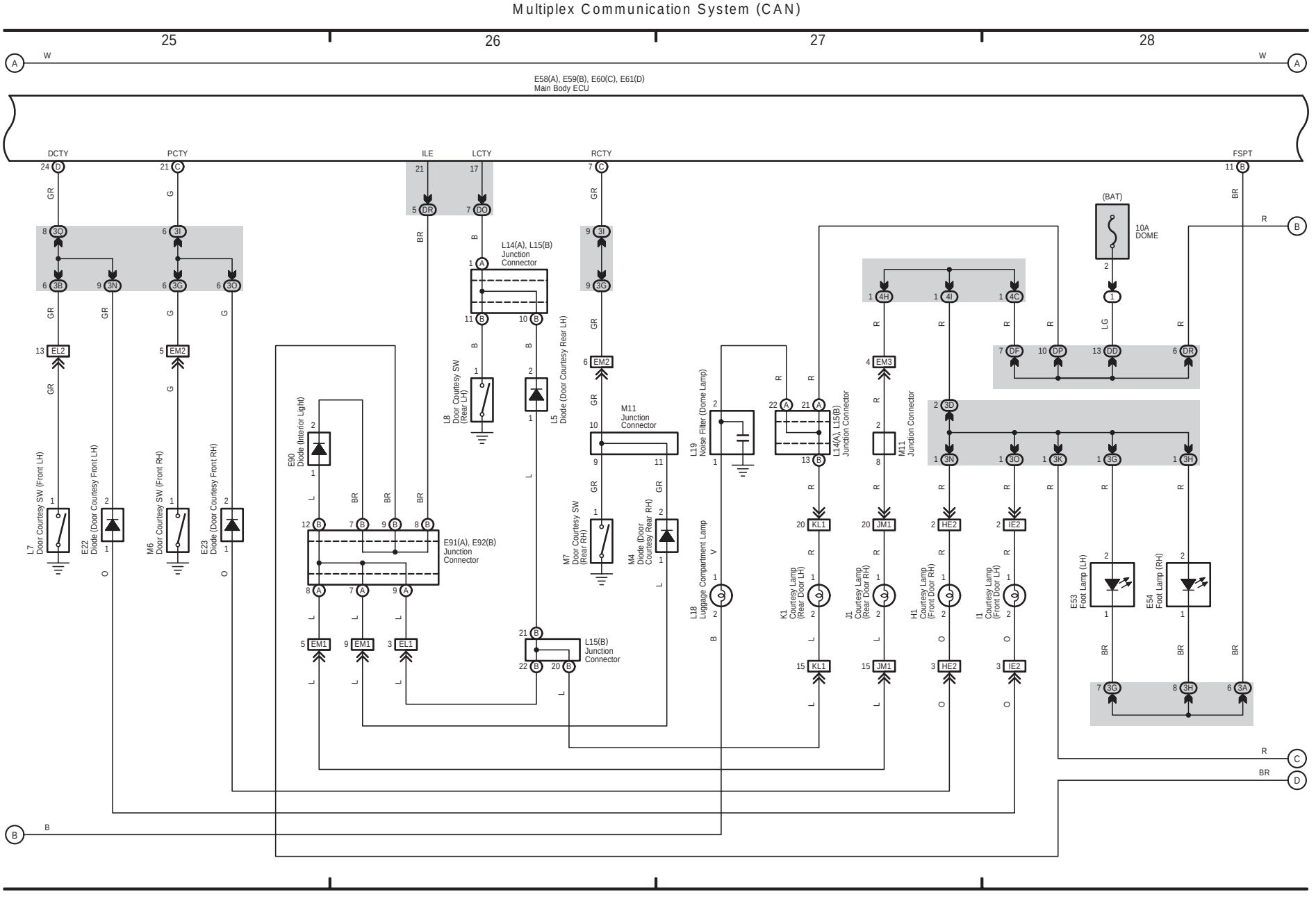

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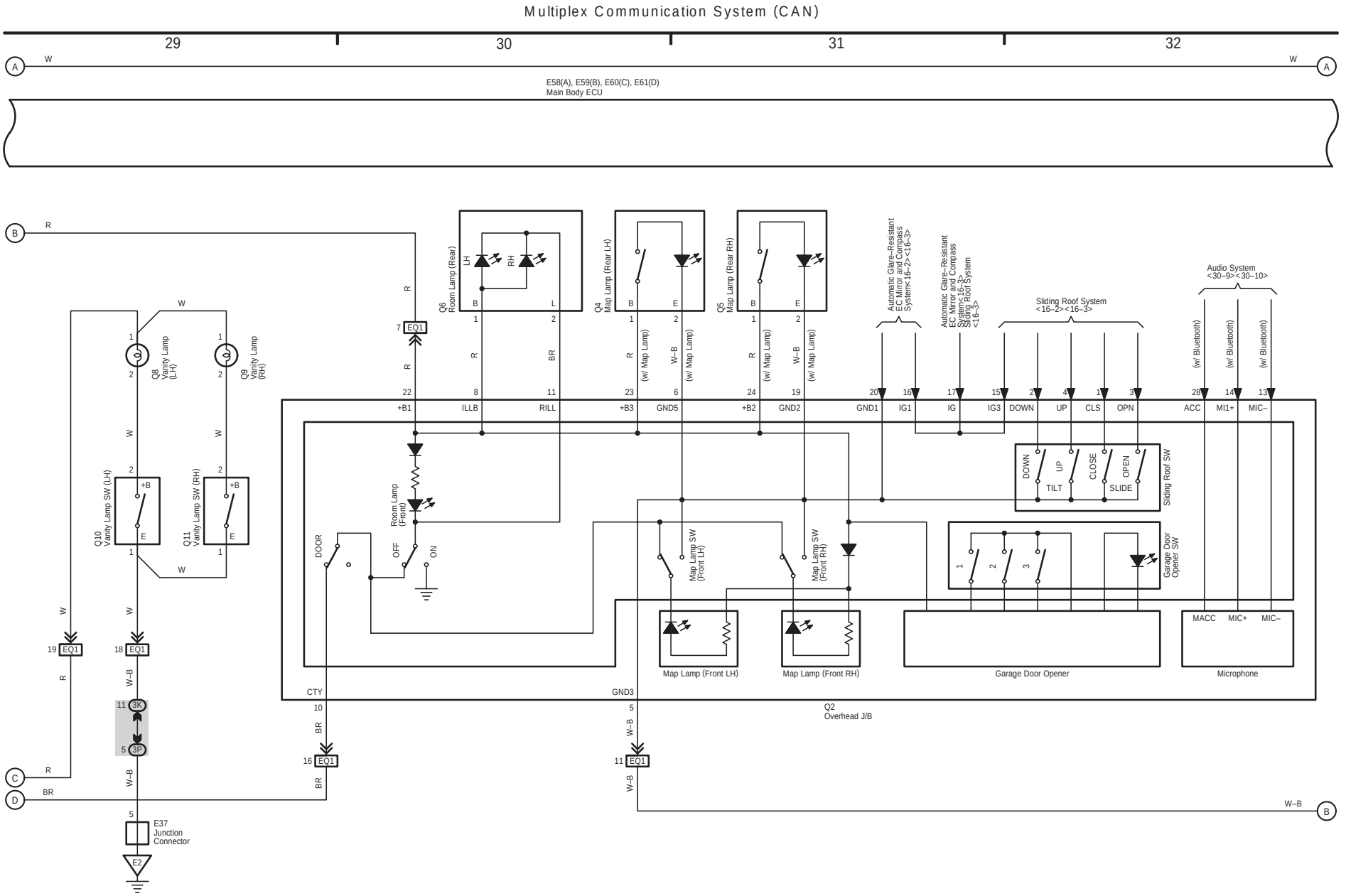

2 ES 350 (Cont' d)

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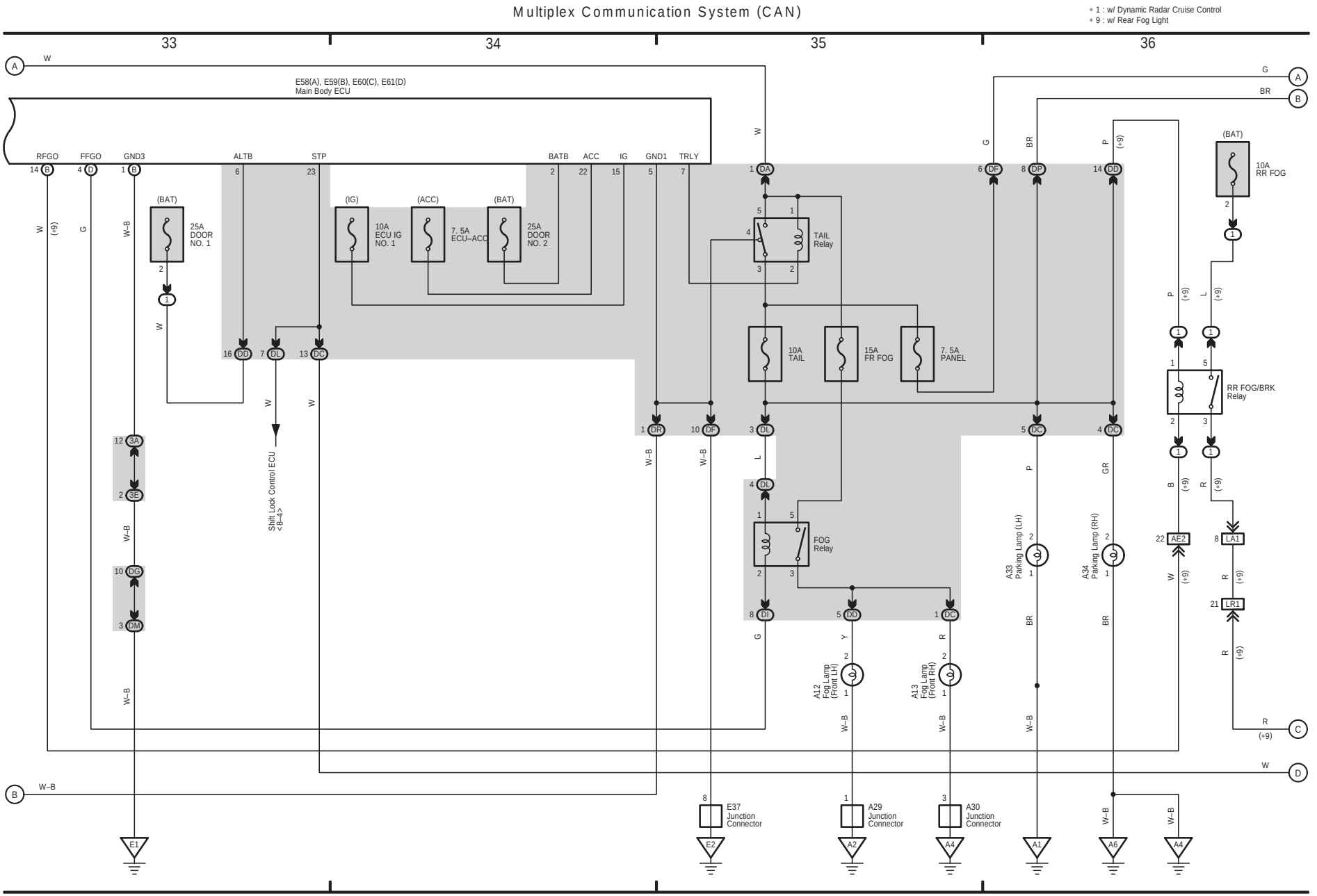

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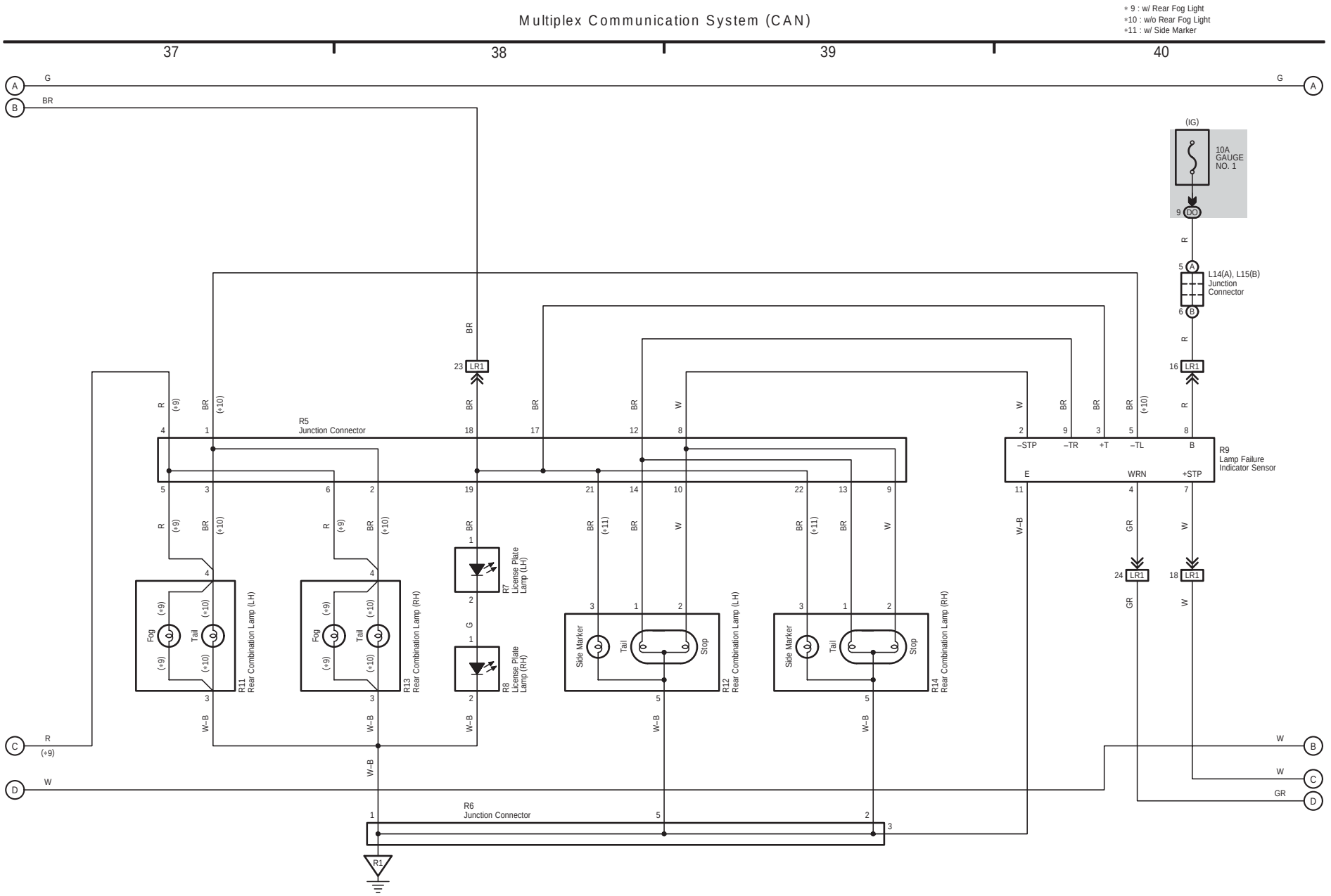

2 ES 350 (Cont' d)

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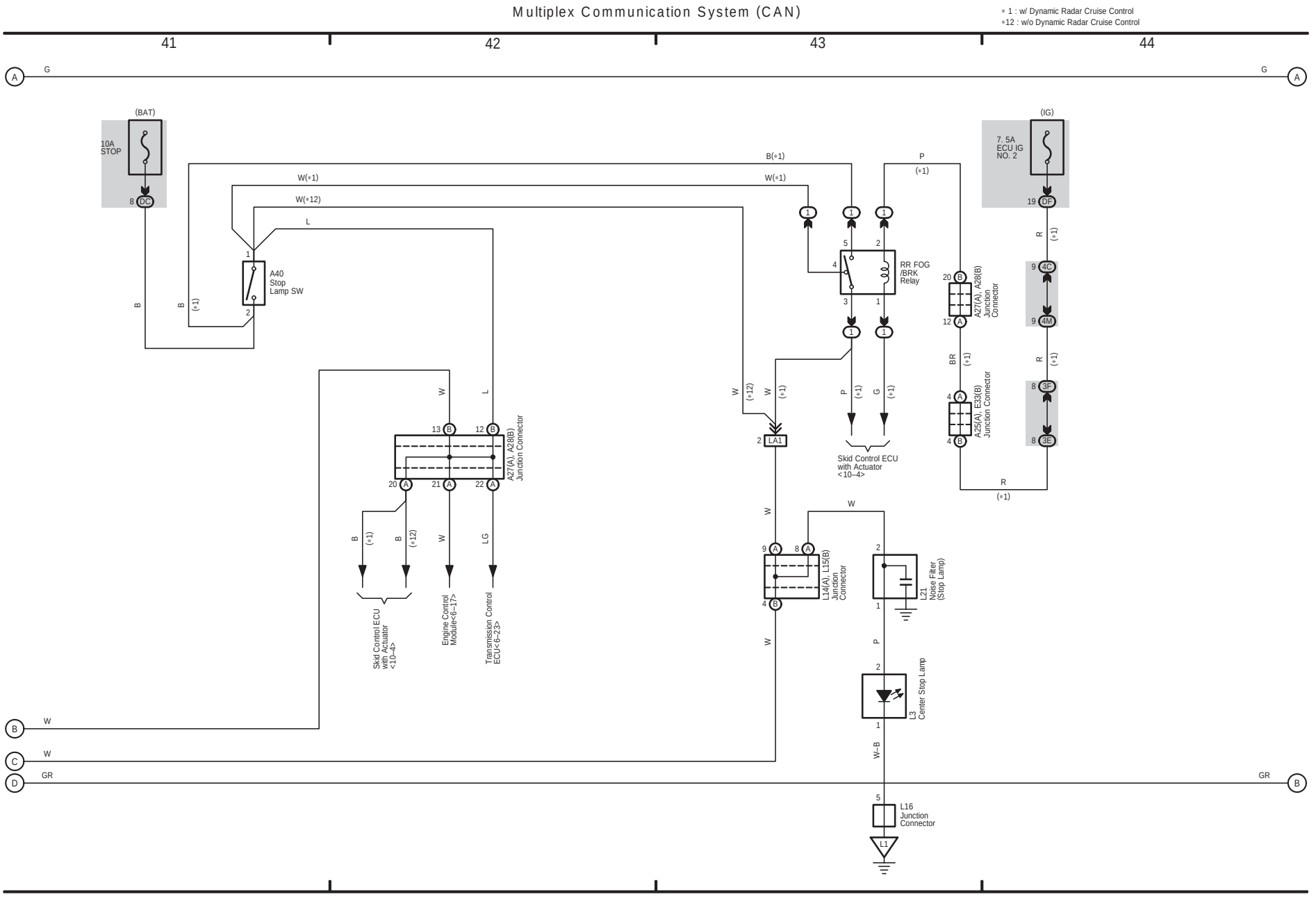

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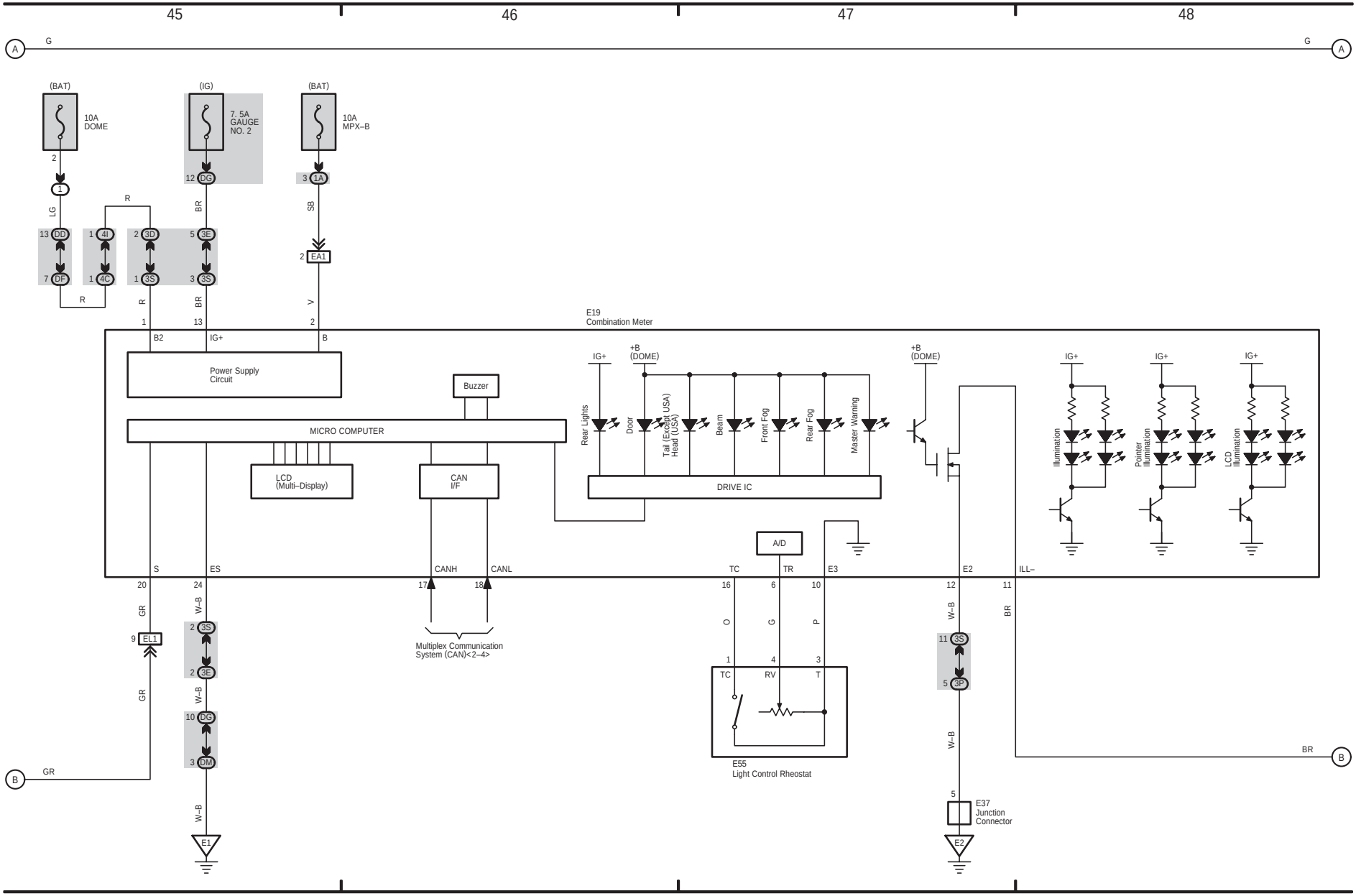
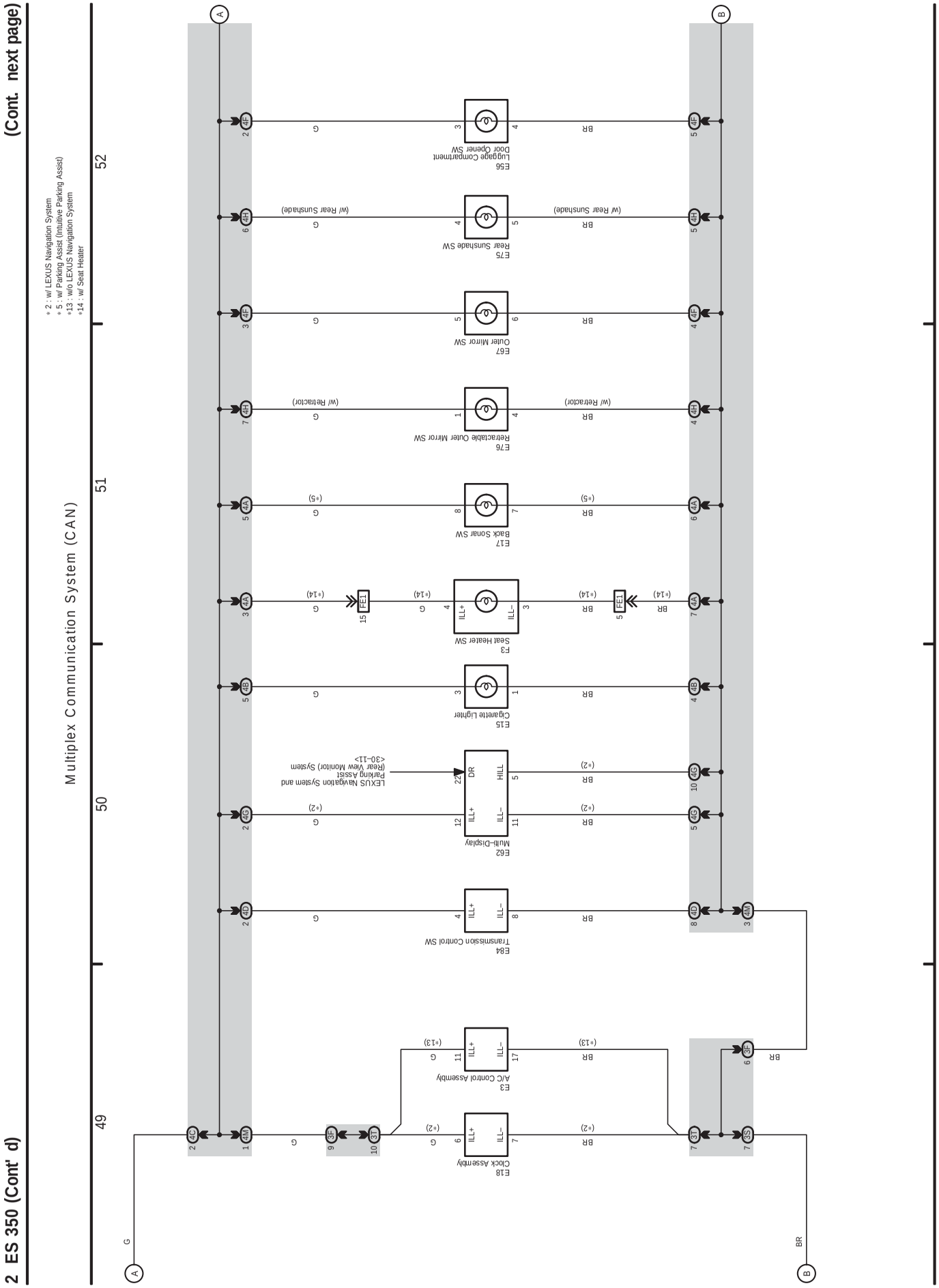
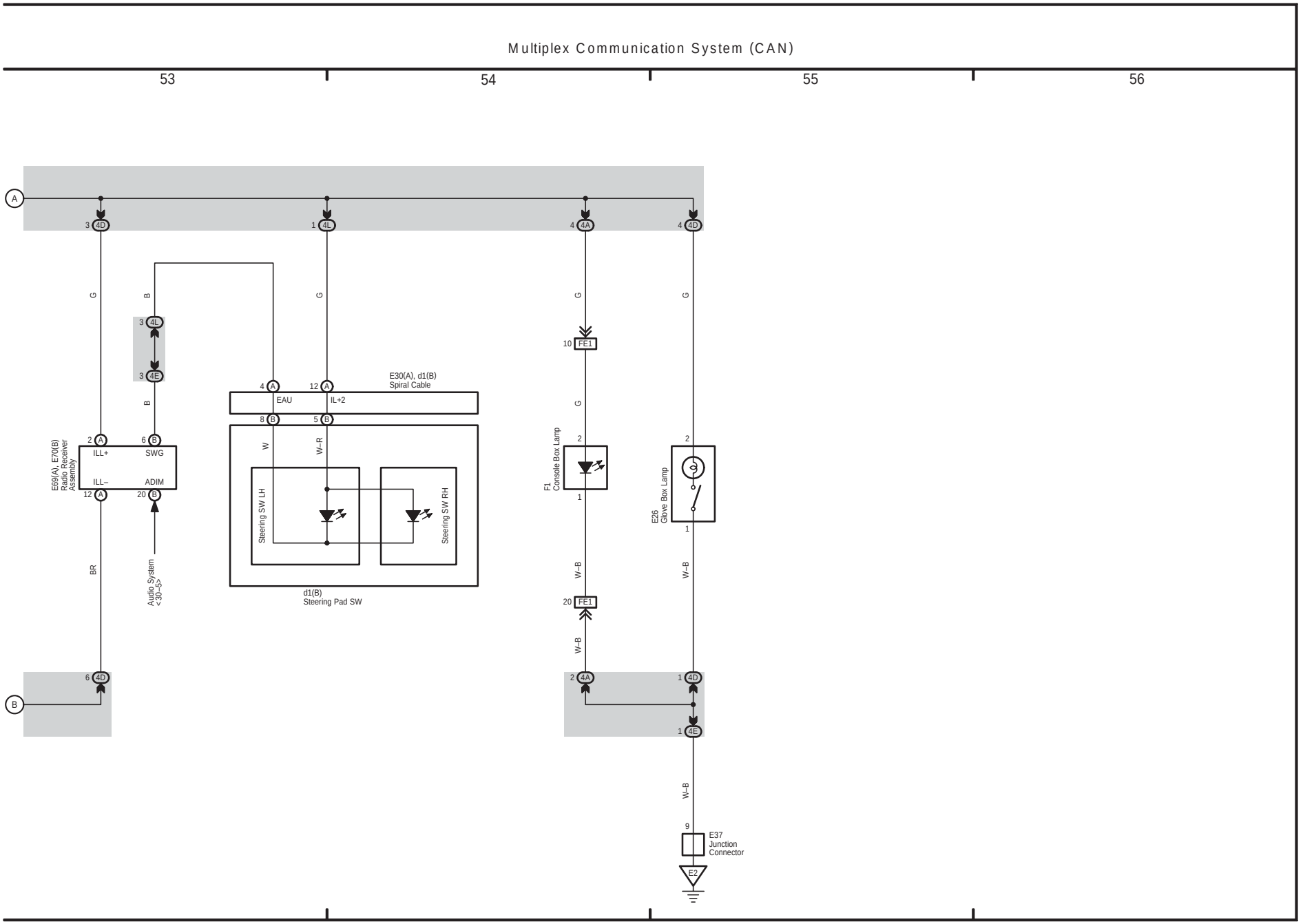
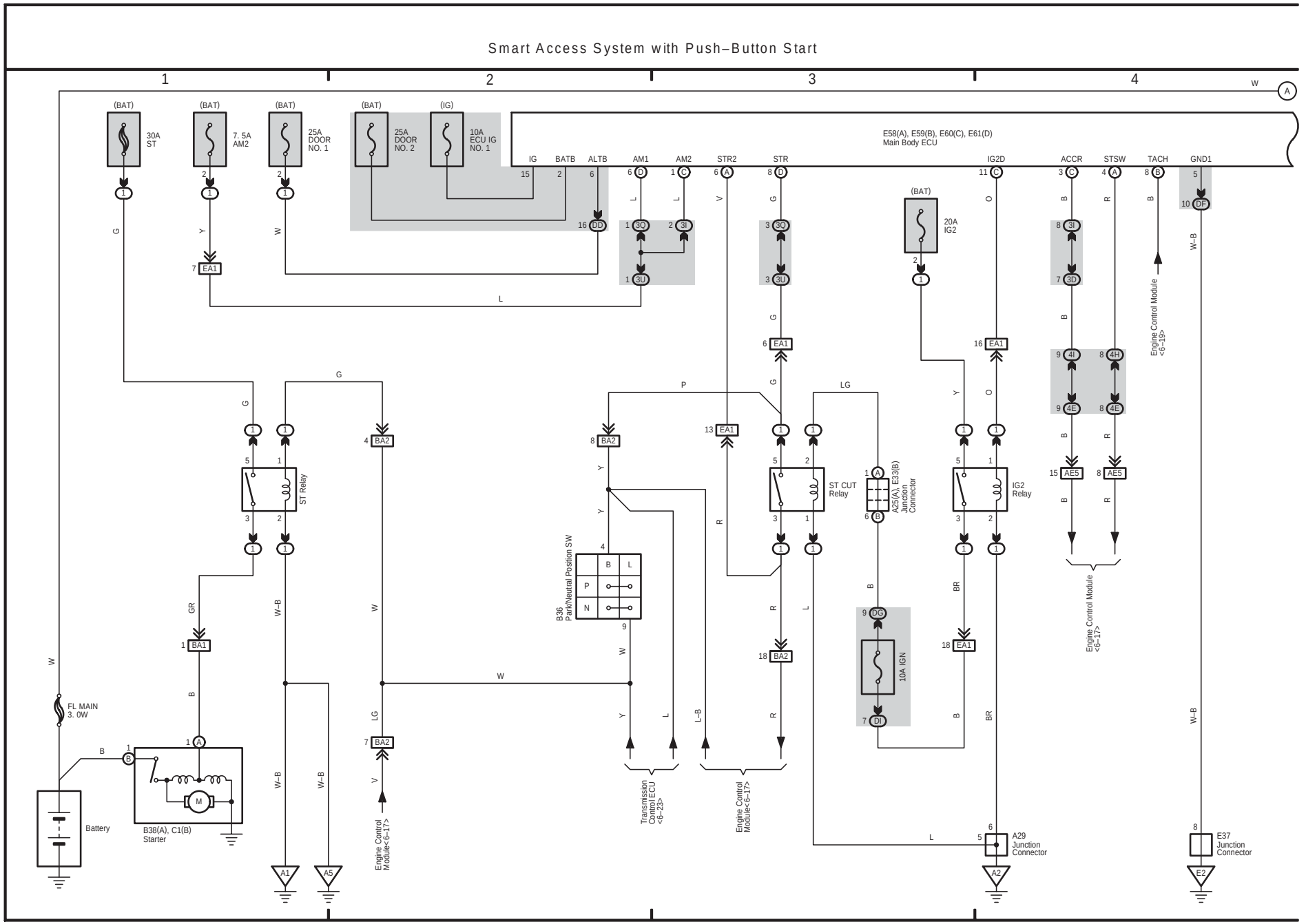
Multiplex Communication System (CAN)



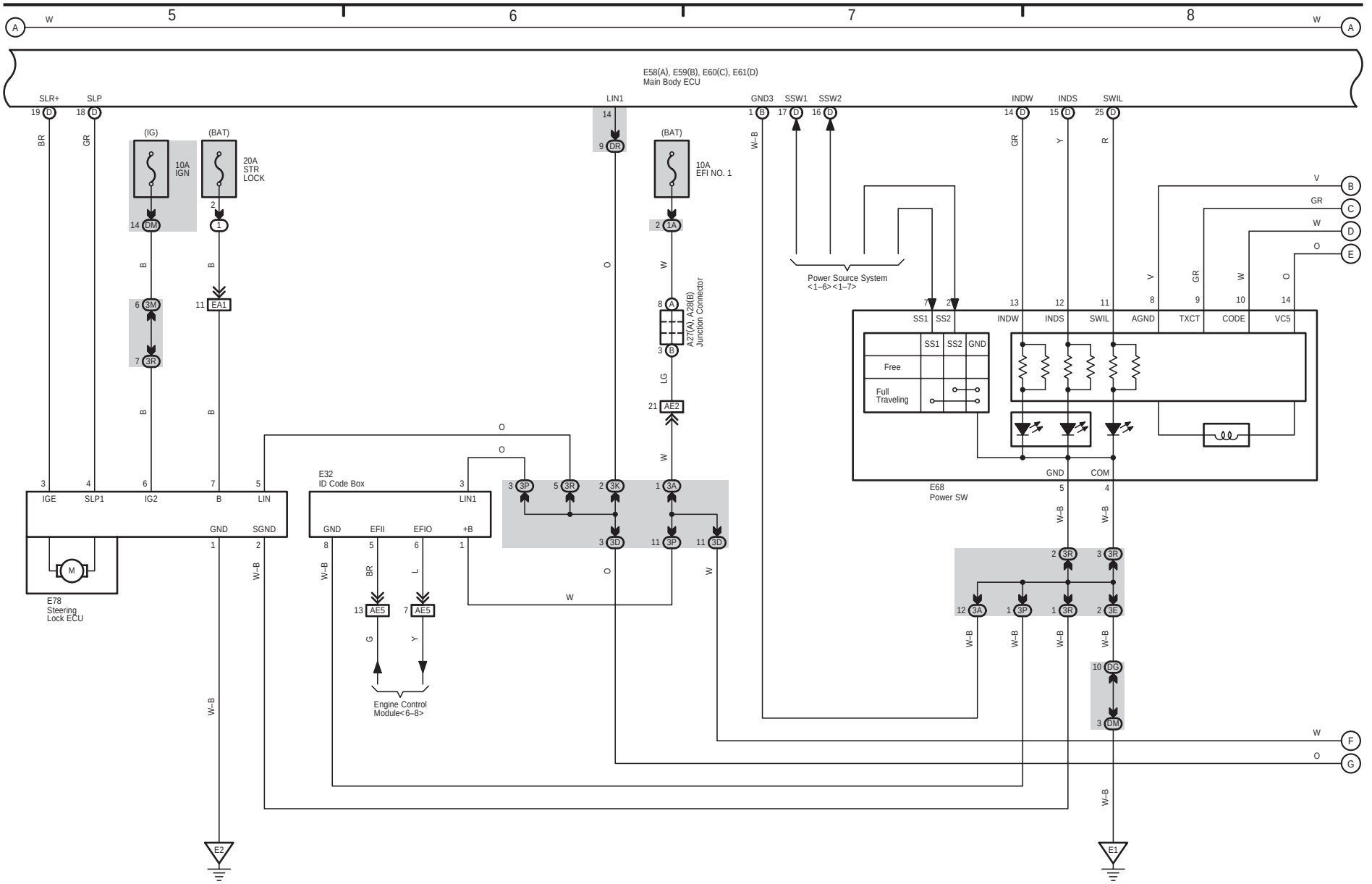

(Cont. next page)
2 ES 350 (Cont' d)
Multiplex Communication System (CAN)
49
50
51
52
*2 : w/ LEXUS Navigation System
*5 : w/ Parking Assist (Intuitive Parking Assist)
*13 : w/o LEXUS Navigation System
*14 : w/ Seat Heater
E18 Clock Assembly
E3 A/C Control Assembly
E84 Transmission Control SW
E62 Multi-Display
LEXUS Navigation System and Parking Assist (Rear View Monitor) System <30-11>
E15 Cigarette Lighter
F3 Seat Heater SW
E17 Back Sonar SW
E76 Retractable Outer Mirror SW
E67 Outer Mirror SW
E75 Rear Sunshade SW
E56 Luggage Compartment Door Opener SW
(W/ Retractor)
(W/ Rear Sunshade)
(*2)
(*5)
(*13)
(*14)
FE1
G
BR


Multiplex Communication System (CAN)
53
54
55
56
A
B
3 4D
1 4L
4 4A
4 4D
G
B
3 4L
3 4E
E30(A), d1(B)
Spiral Cable
4 A
12 A
EAU
IL+2
8 B
5 B
W
W–R
Steering SW LH
Steering SW RH
d1(B)
Steering Pad SW
E69(A), E70(B)
Radio Receiver
Assembly
2 A
6 B
ILL+
SWG
ILL–
ADIM
12 A
20 B
BR
Audio System
<30–5>
10 FE1
20 FE1
F1
Console Box Lamp
2
1
W–B
E26
Glove Box Lamp
2
1
6 4D
2 4A
1 4D
1 4E
9
E37
Junction
Connector
E2


Smart Access System with Push–Button Start
1
2
3
4
(BAT)
30A ST
7. 5A AM2
25A DOOR NO. 1
25A DOOR NO. 2
(IG)
10A ECU IG NO. 1
E58(A), E59(B), E60(C), E61(D) Main Body ECU
IG
BATB
ALTB
AM1
AM2
STR2
STR
IG2D
ACCR
STSW
TACH
GND1
20A IG2
ST Relay
ST CUT Relay
IG2 Relay
A25(A), E33(B) Junction Connector
B36 Park/Neutral Position SW
10A IGN
Engine Control Module <6–19>
Engine Control Module <6–17>
Transmission Control ECU <6–23>
FL MAIN 3. 0W
Battery
B38(A), C1(B) Starter
A29 Junction Connector
E37 Junction Connector

(Cont. next page)

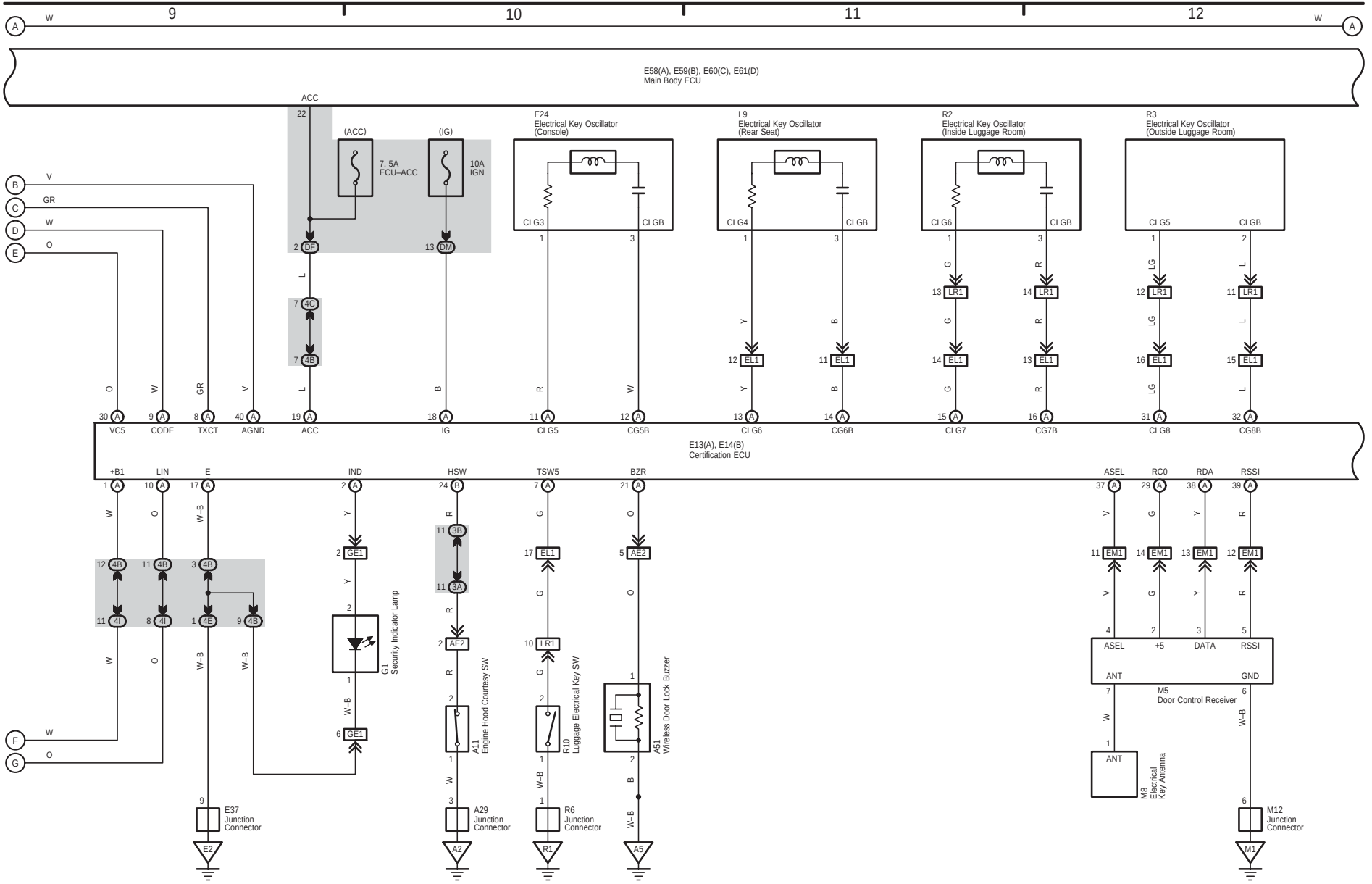
Smart Access System with Push–Button Start



3 ES 350 (Cont' d)

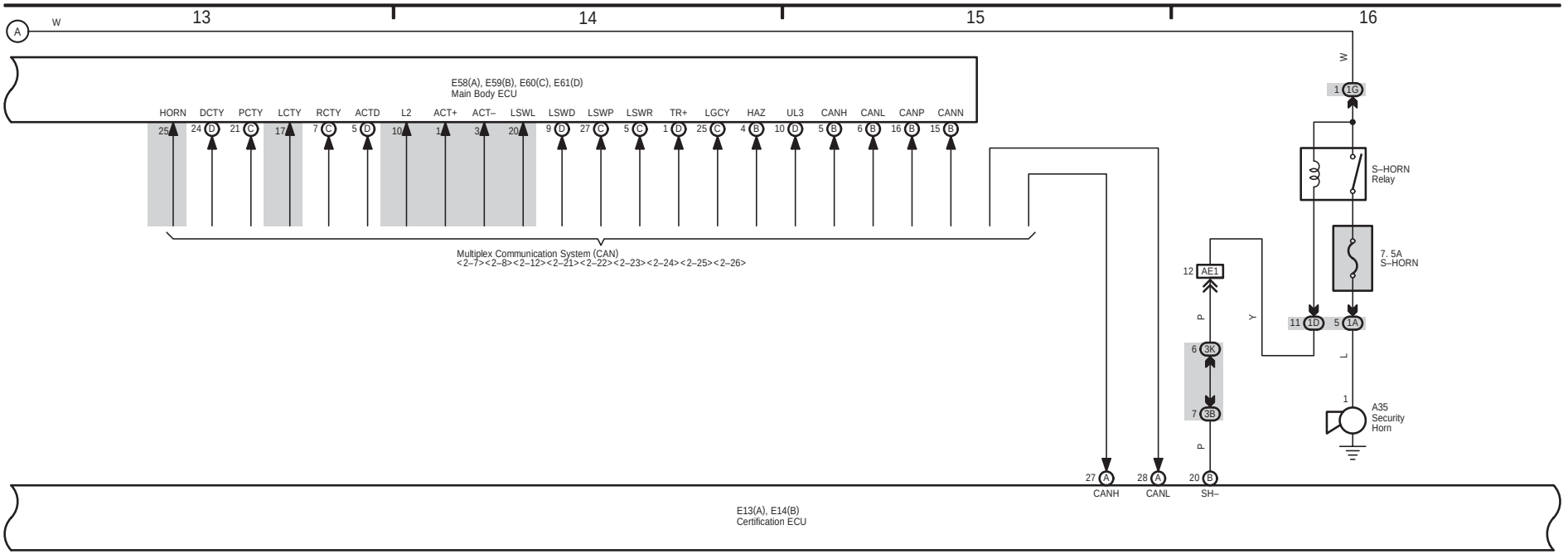
(Cont. next page)

Smart Access System with Push–Button Start



(Cont. next page)

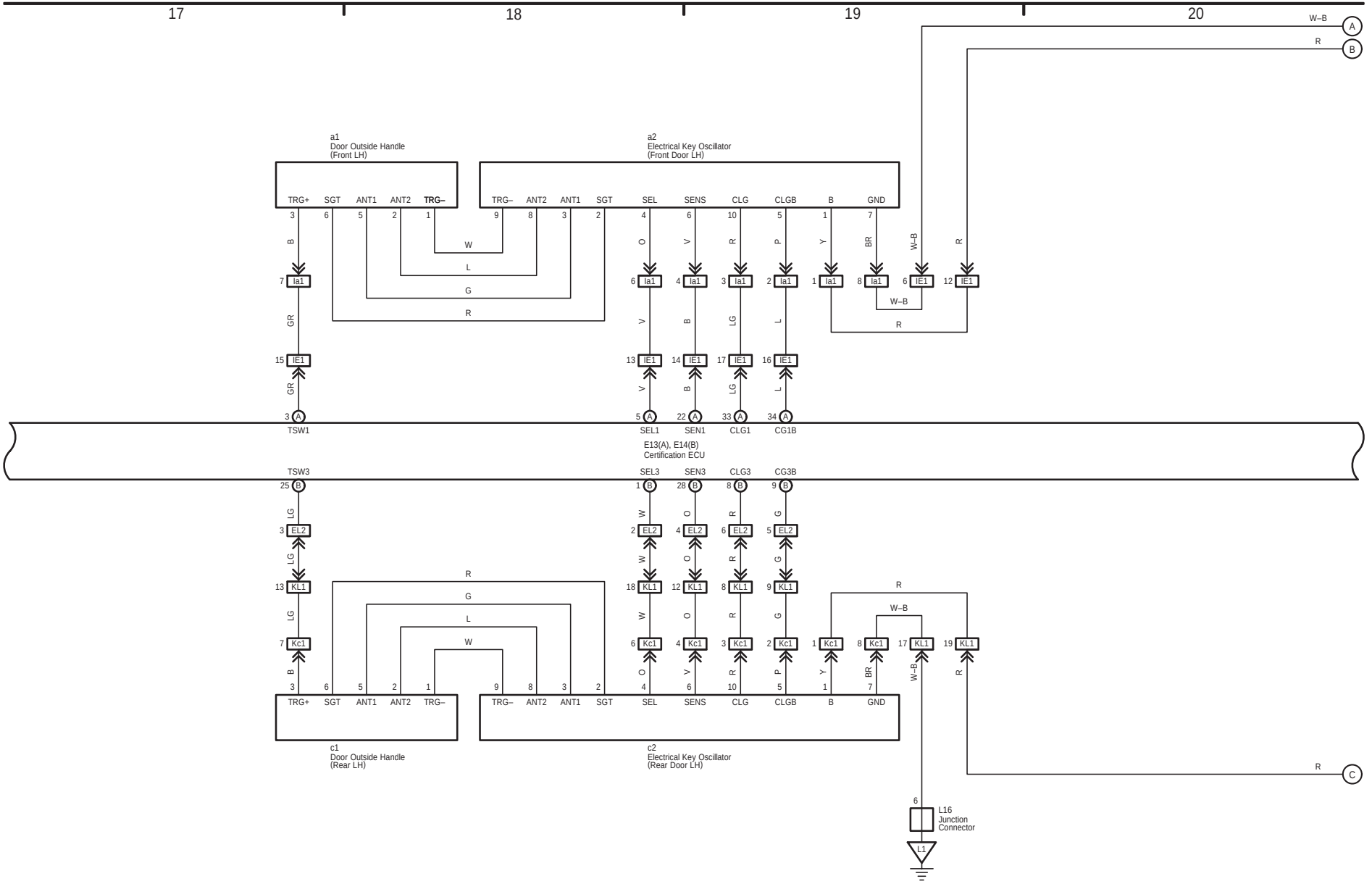
Smart Access System with Push–Button Start

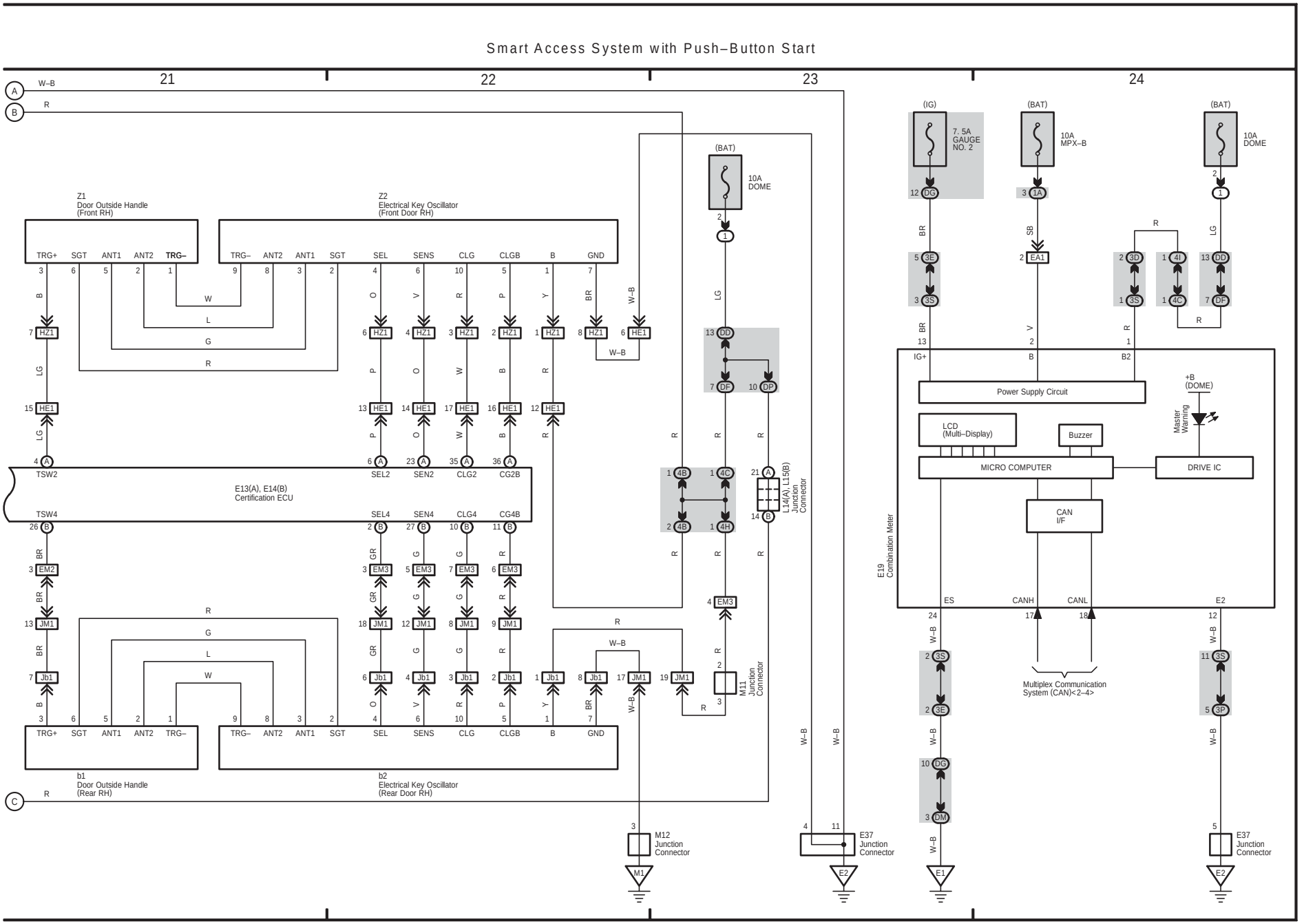


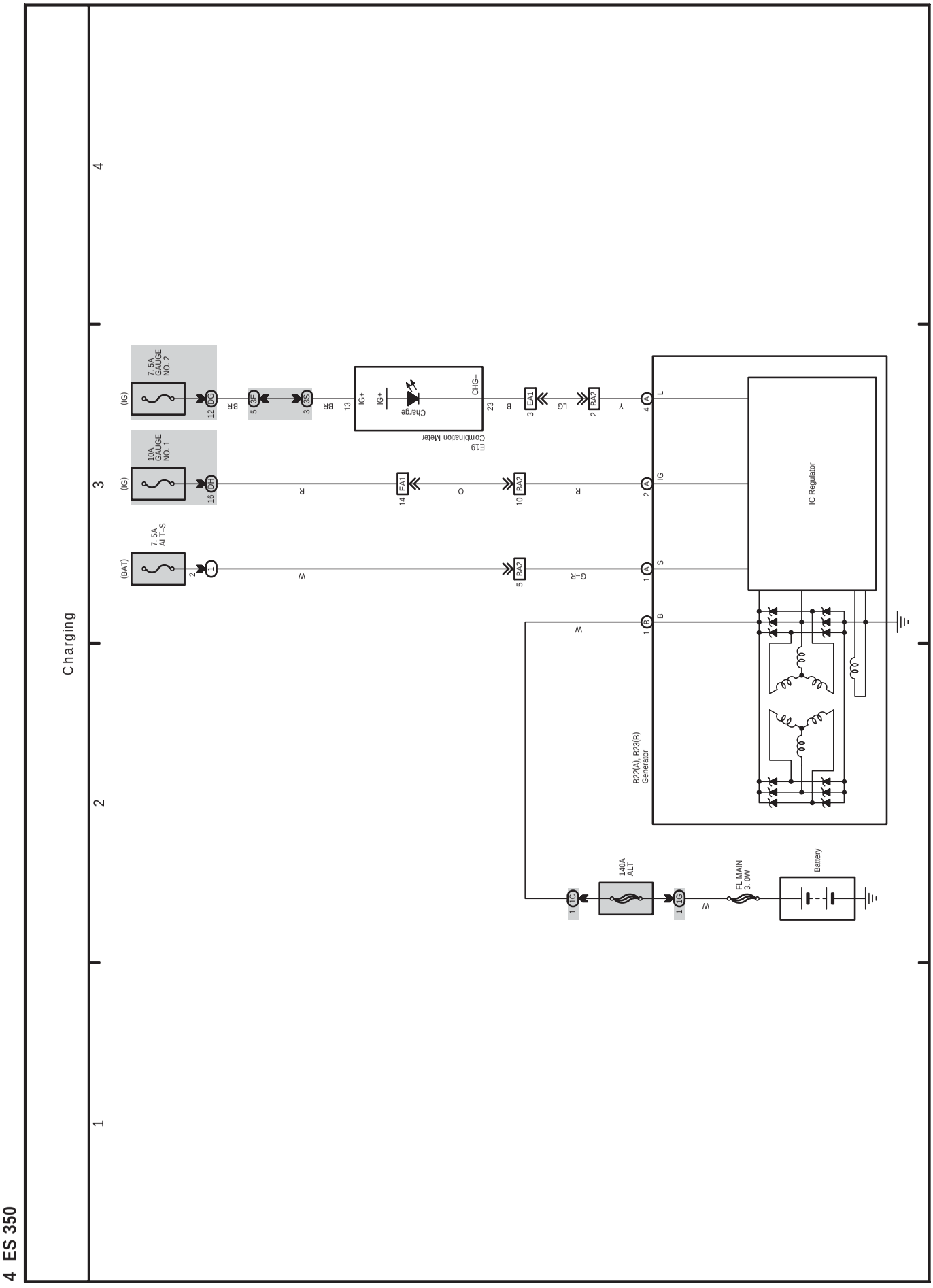
3 ES 350 (Cont' d)

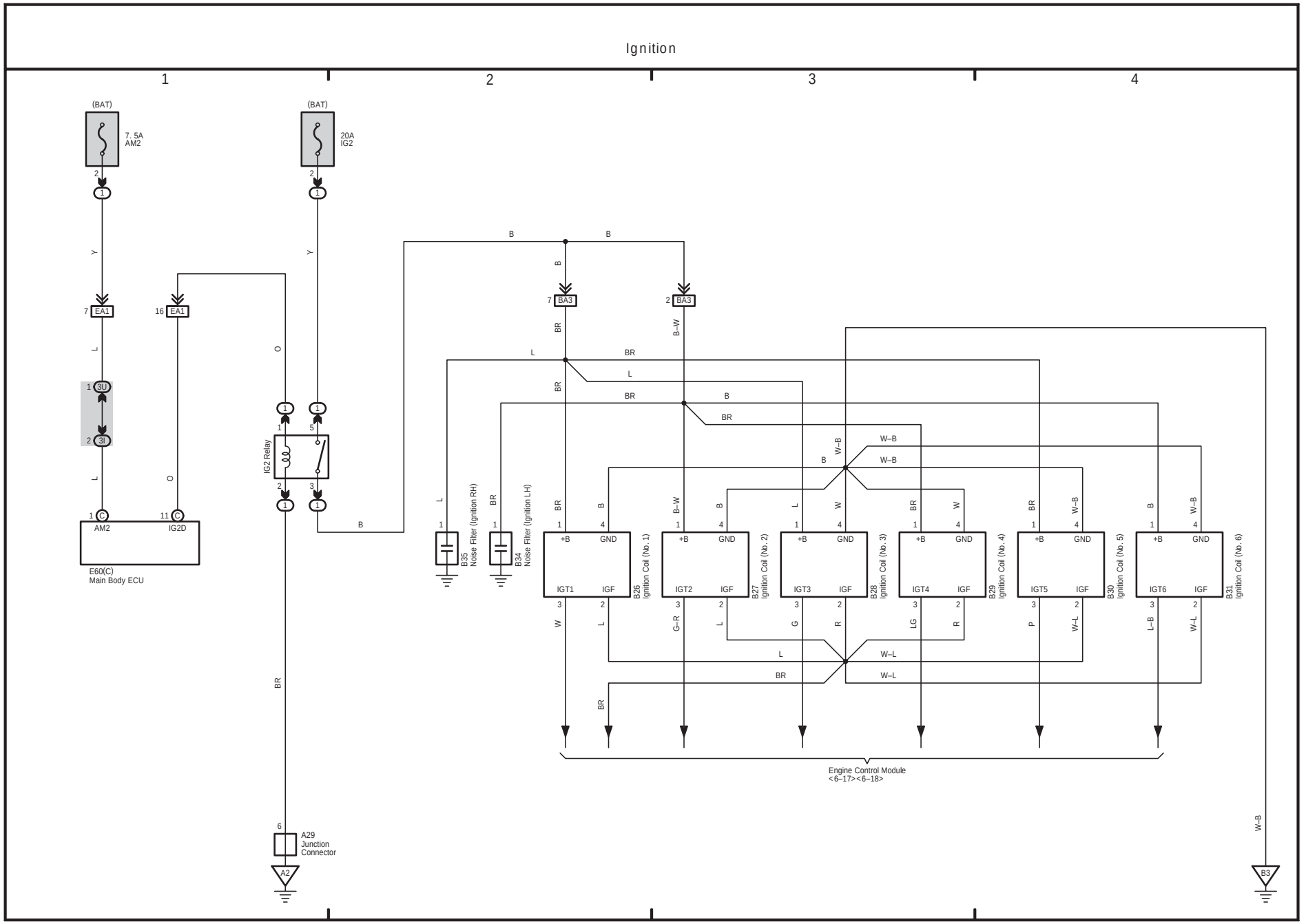
(Cont. next page)

Smart Access System with Push–Button Start

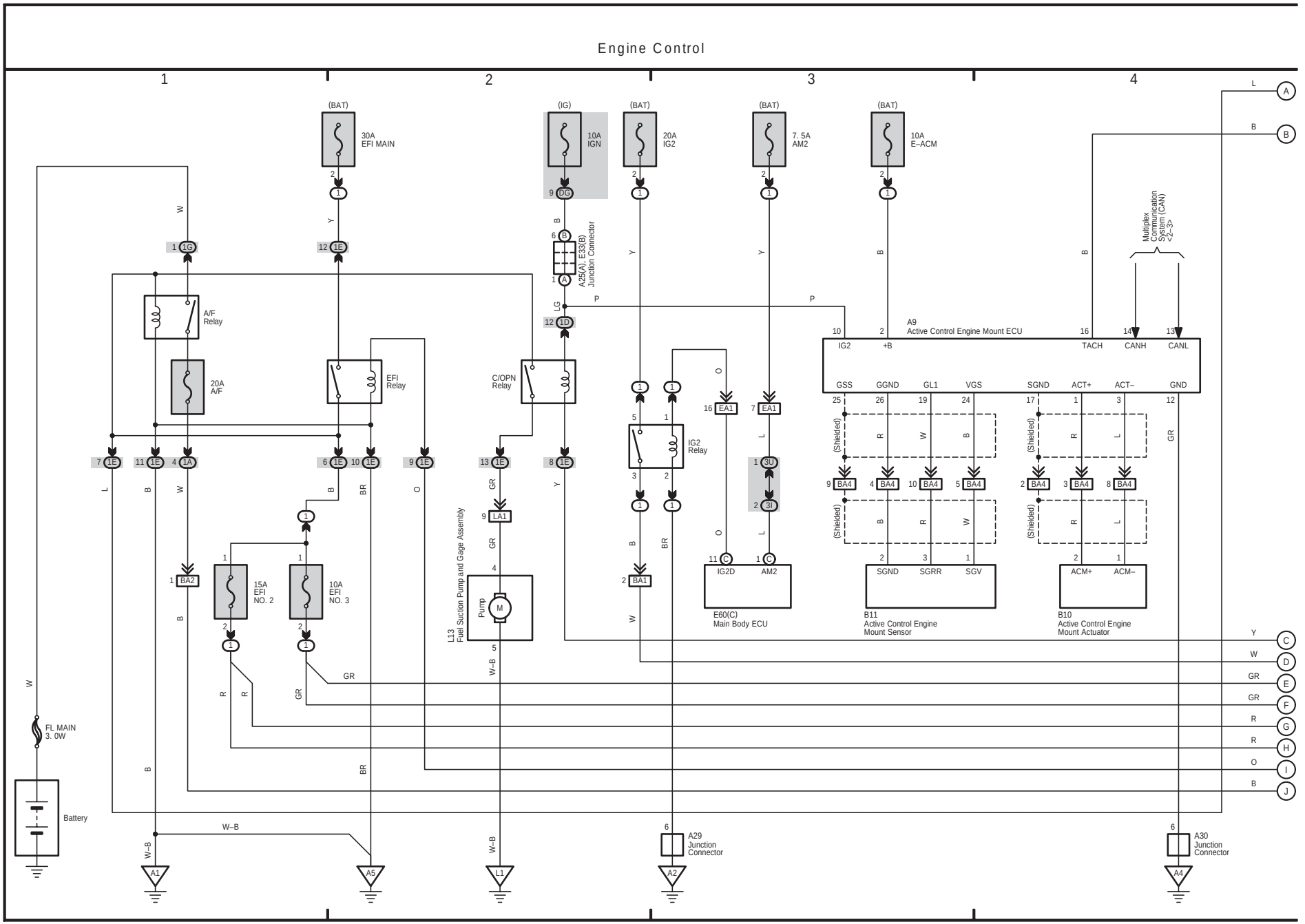



Smart Access System with Push–Button Start
21
22
23
24
(IG)
7. 5A GAUGE NO. 2
(BAT)
10A MPX–B
(BAT)
10A DOME
(BAT)
10A DOME
Z1
Door Outside Handle (Front RH)
Z2
Electrical Key Oscillator (Front Door RH)
TRG+ SGT ANT1 ANT2 TRG–
TRG– ANT2 ANT1 SGT SEL SENS CLG CLGB B GND
E13(A), E14(B)
Certification ECU
TSW2
TSW4
SEL2 SEN2 CLG2 CG2B
SEL4 SEN4 CLG4 CG4B
L14(A), L15(B)
Junction Connector
M11
Junction Connector
M12
Junction Connector
E37
Junction Connector
b1
Door Outside Handle (Rear RH)
b2
Electrical Key Oscillator (Rear Door RH)
E19
Combination Meter
IG+
B
B2
Power Supply Circuit
+B (DOME)
Master Warning
LCD (Multi–Display)
Buzzer
MICRO COMPUTER
DRIVE IC
CAN I/F
ES
CANH
CANL
E2
Multiplex Communication System (CAN)<2–4>
W–B
R
LG
BR
SB
V
G
L
W
O
P
GR
Y


4 ES 350
Charging
1
2
3
4
(IG)
7.5A GAUGE NO. 2
10A GAUGE NO. 1
(BAT)
7.5A ALT-S
12 (IG)
16 (IH)
2
1
5 GE
3 GS
13
IG+
Charge
CHG-
23
E19
Combination Meter
3 EA1
14 EA1
2 BA2
10 BA2
5 BA2
4 (A)
2 (A)
1 (A)
1 (B)
L
IG
S
B
IC Regulator
B22(A), B23(B)
Generator
1 (B)
140A
ALT
1 (IG)
FL MAIN
3.0W
Battery


Ignition
1
2
3
4
(BAT)
7. 5A
AM2
(BAT)
20A
IG2
IG2 Relay
E60(C)
Main Body ECU
AM2
IG2D
A29
Junction
Connector
A2
B35
Noise Filter (Ignition RH)
B34
Noise Filter (Ignition LH)
B26
Ignition Coil (No. 1)
B27
Ignition Coil (No. 2)
B28
Ignition Coil (No. 3)
B29
Ignition Coil (No. 4)
B30
Ignition Coil (No. 5)
B31
Ignition Coil (No. 6)
+B
GND
IGT1
IGT2
IGT3
IGT4
IGT5
IGT6
IGF
Engine Control Module
<6–17><6–18>
B3

(Cont. next page)



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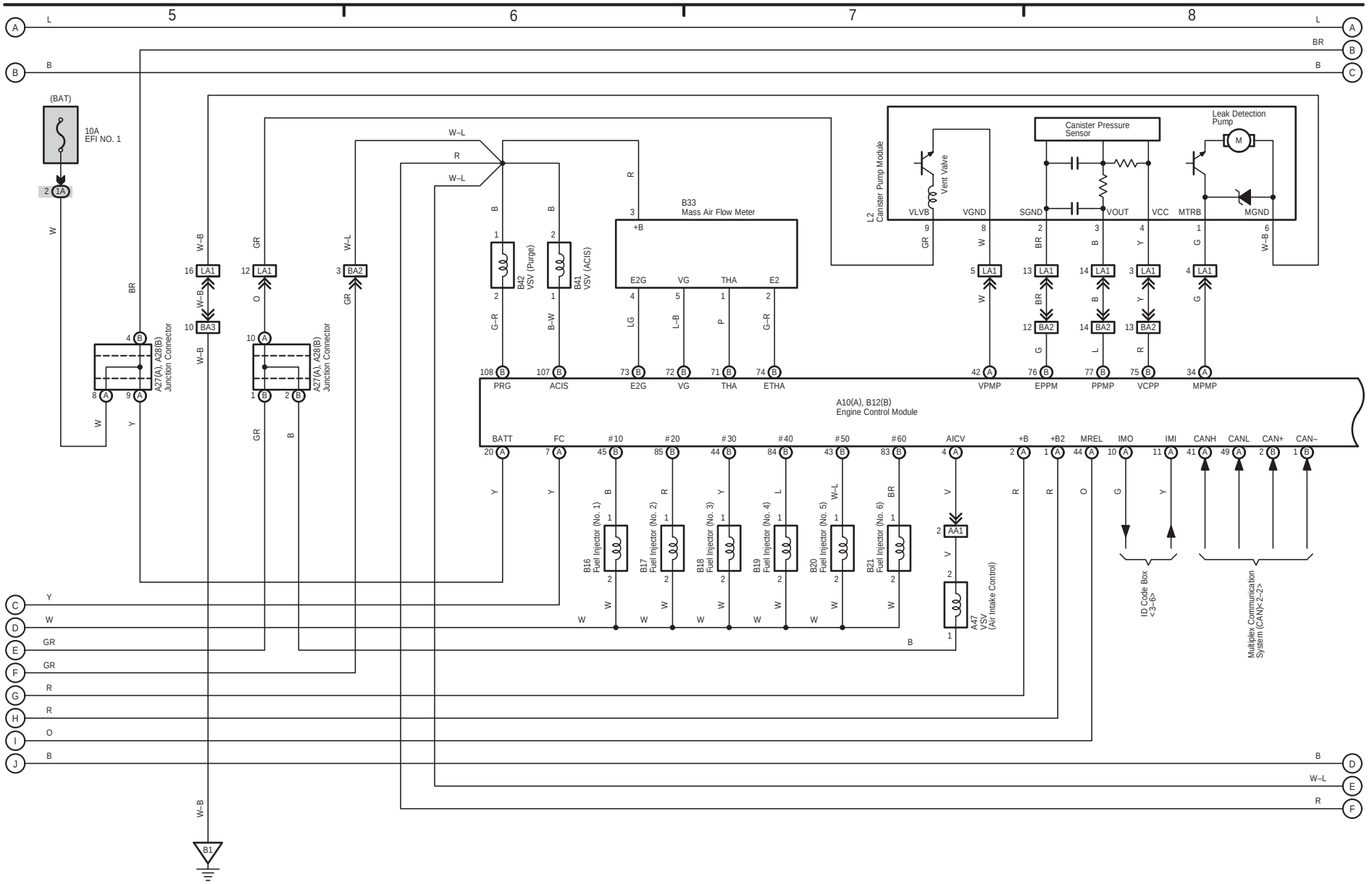
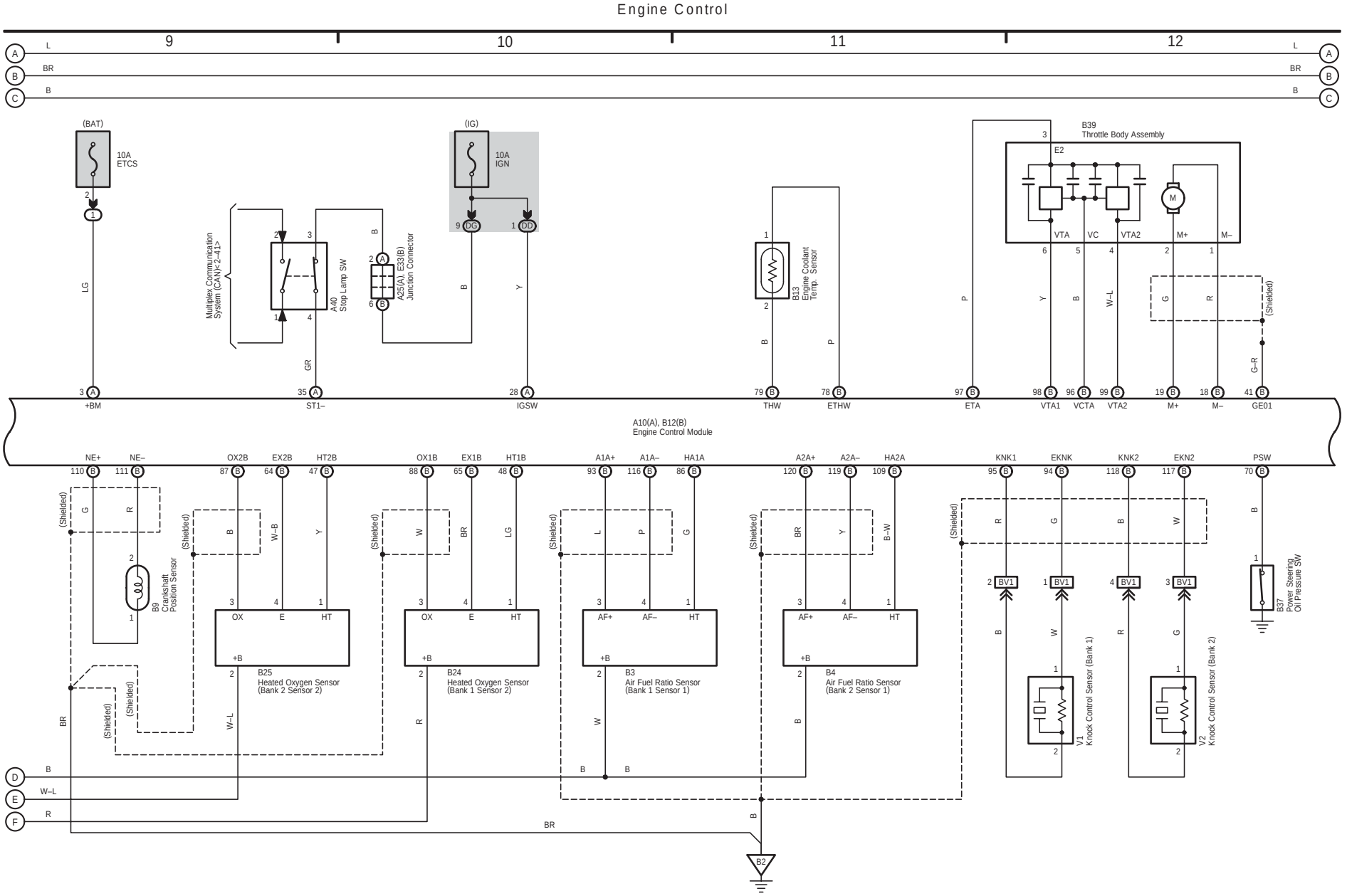
Engine Control

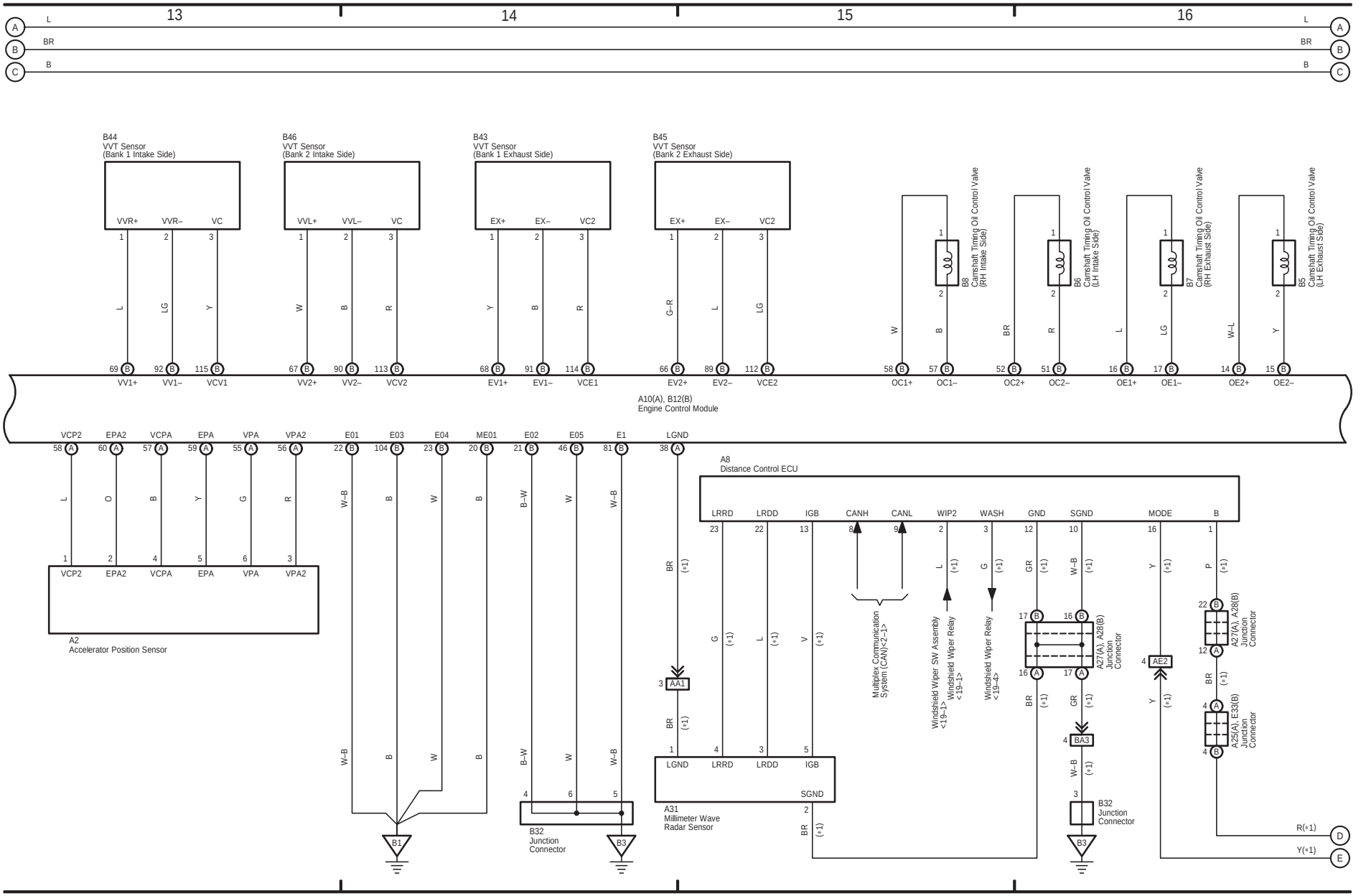



Engine Control
9
10
11
12
(BAT)
10A
ETCS
(IG)
10A
IGN
Multiplex Communication System (CAN)<2-41>
A-40
Stop Lamp SW
A25(A), E33(B)
Junction Connector
B13
Engine Coolant Temp. Sensor
B39
Throttle Body Assembly
E2
VTA
VC
VTA2
M+
M–
(Shielded)
+BM
ST1–
IGSW
THW
ETHW
ETA
VTA1
VCTA
VTA2
M+
M–
GE01
A10(A), B12(B)
Engine Control Module
NE+
NE–
OX2B
EX2B
HT2B
OX1B
EX1B
HT1B
A1A+
A1A–
HA1A
A2A+
A2A–
HA2A
KNK1
EKNK
KNK2
EKN2
PSW
B9
Crankshaft Position Sensor
B25
Heated Oxygen Sensor (Bank 2 Sensor 2)
B24
Heated Oxygen Sensor (Bank 1 Sensor 2)
B3
Air Fuel Ratio Sensor (Bank 1 Sensor 1)
B4
Air Fuel Ratio Sensor (Bank 2 Sensor 1)
V1
Knock Control Sensor (Bank 1)
V2
Knock Control Sensor (Bank 2)
B37
Power Steering Oil Pressure SW
B2

(Cont. next page)

Engine Control

* 1 : w/ Dynamic Radar Cruise Control


13
14
15
16
B44 VVT Sensor (Bank 1 Intake Side)
B46 VVT Sensor (Bank 2 Intake Side)
B43 VVT Sensor (Bank 1 Exhaust Side)
B45 VVT Sensor (Bank 2 Exhaust Side)
B8 Camshaft Timing Oil Control Valve (RH Intake Side)
B6 Camshaft Timing Oil Control Valve (LH Intake Side)
B7 Camshaft Timing Oil Control Valve (RH Exhaust Side)
B5 Camshaft Timing Oil Control Valve (LH Exhaust Side)
A10(A), B12(B) Engine Control Module
A2 Accelerator Position Sensor
A8 Distance Control ECU
A31 Millimeter Wave Radar Sensor
B32 Junction Connector
B1
B3
Multiplex Communication System (CAN)<2–1>
Windshield Wiper SW Assembly <19–1>
Windshield Wiper Relay <19–1>
Windshield Wiper Relay <19–4>
A27(A), A28(B) Junction Connector
A25(A), E33(B) Junction Connector
AE2
BA3
R(*1)
Y(*1)

6 ES 350 (Cont' d)

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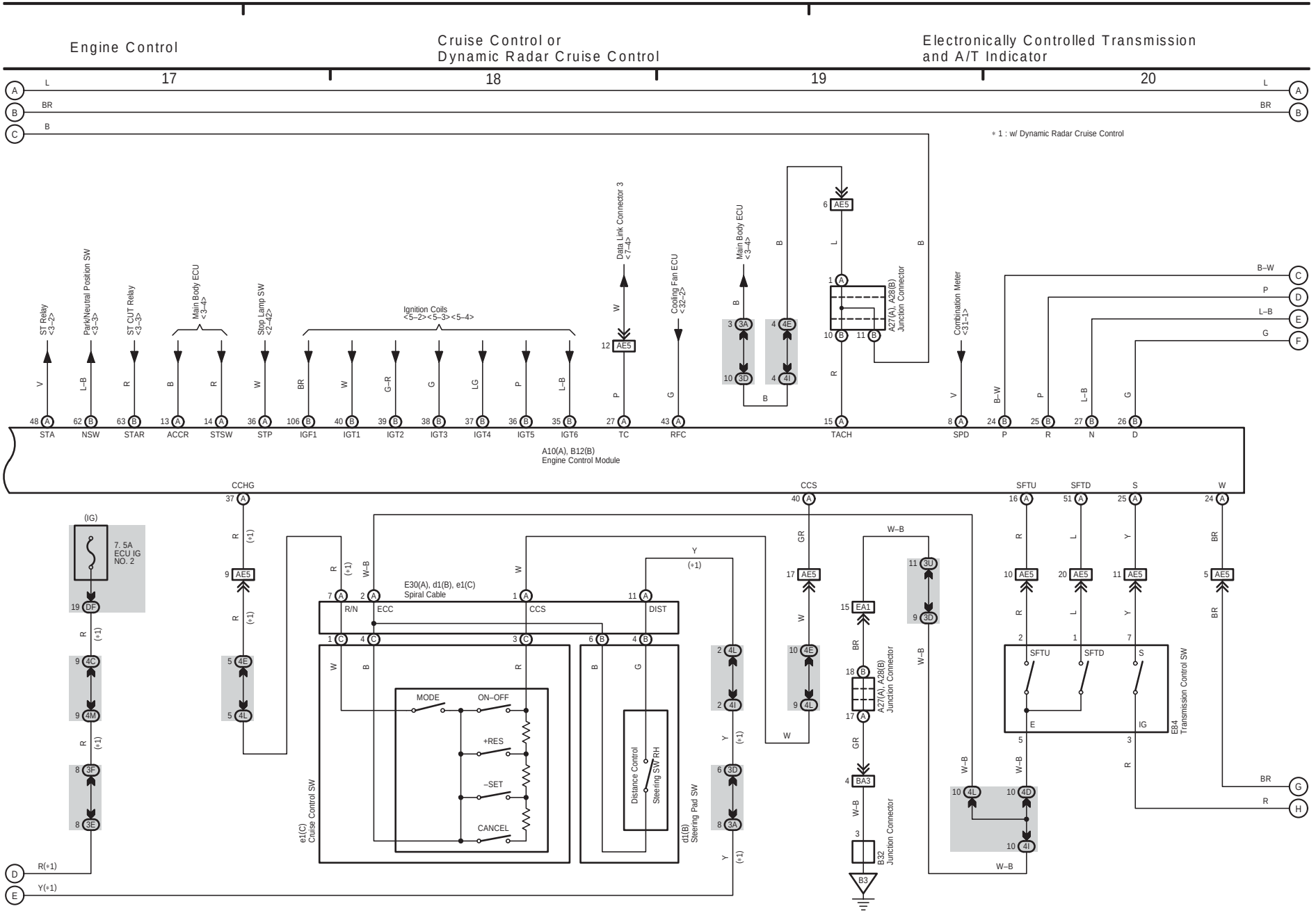

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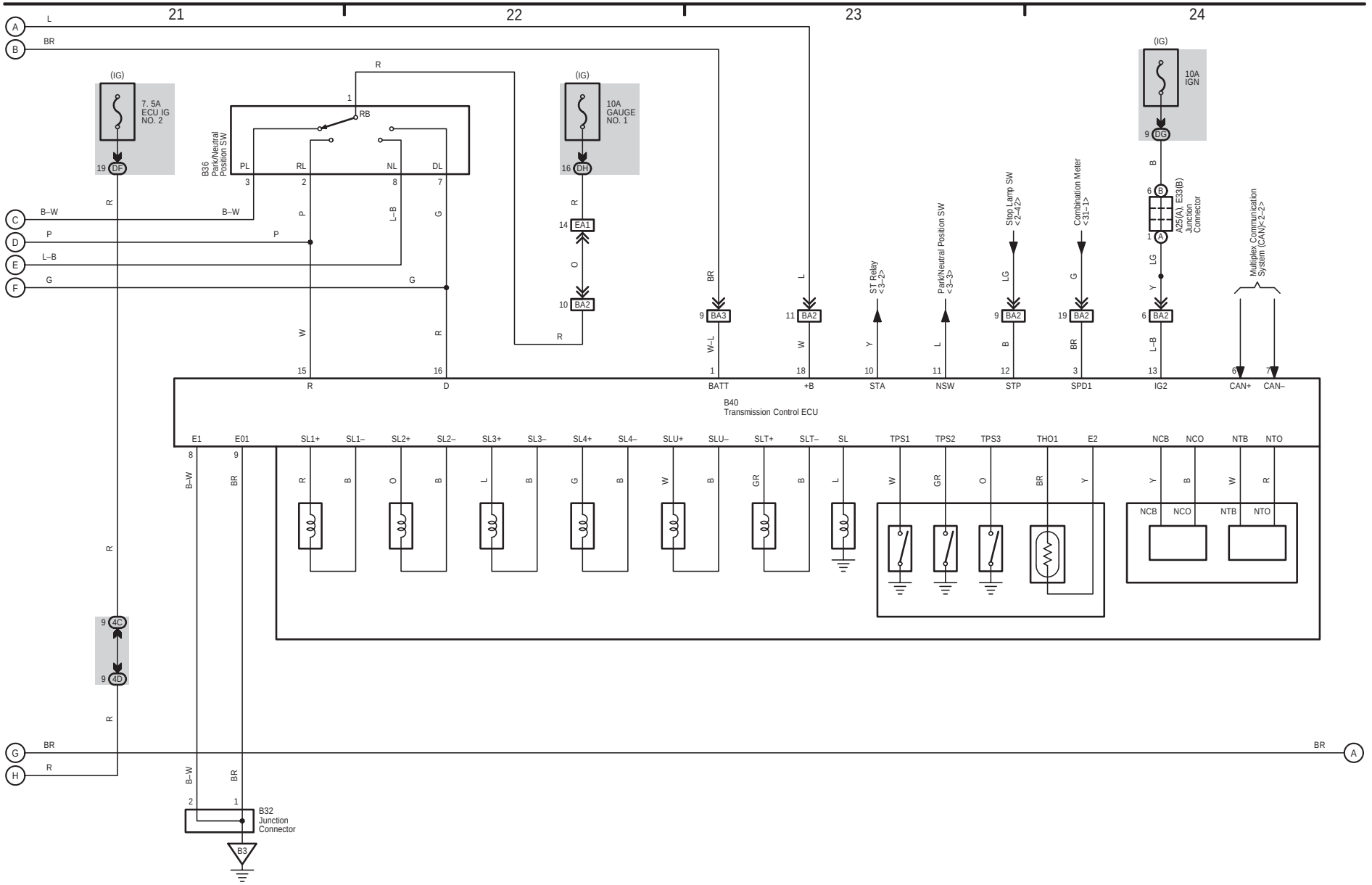
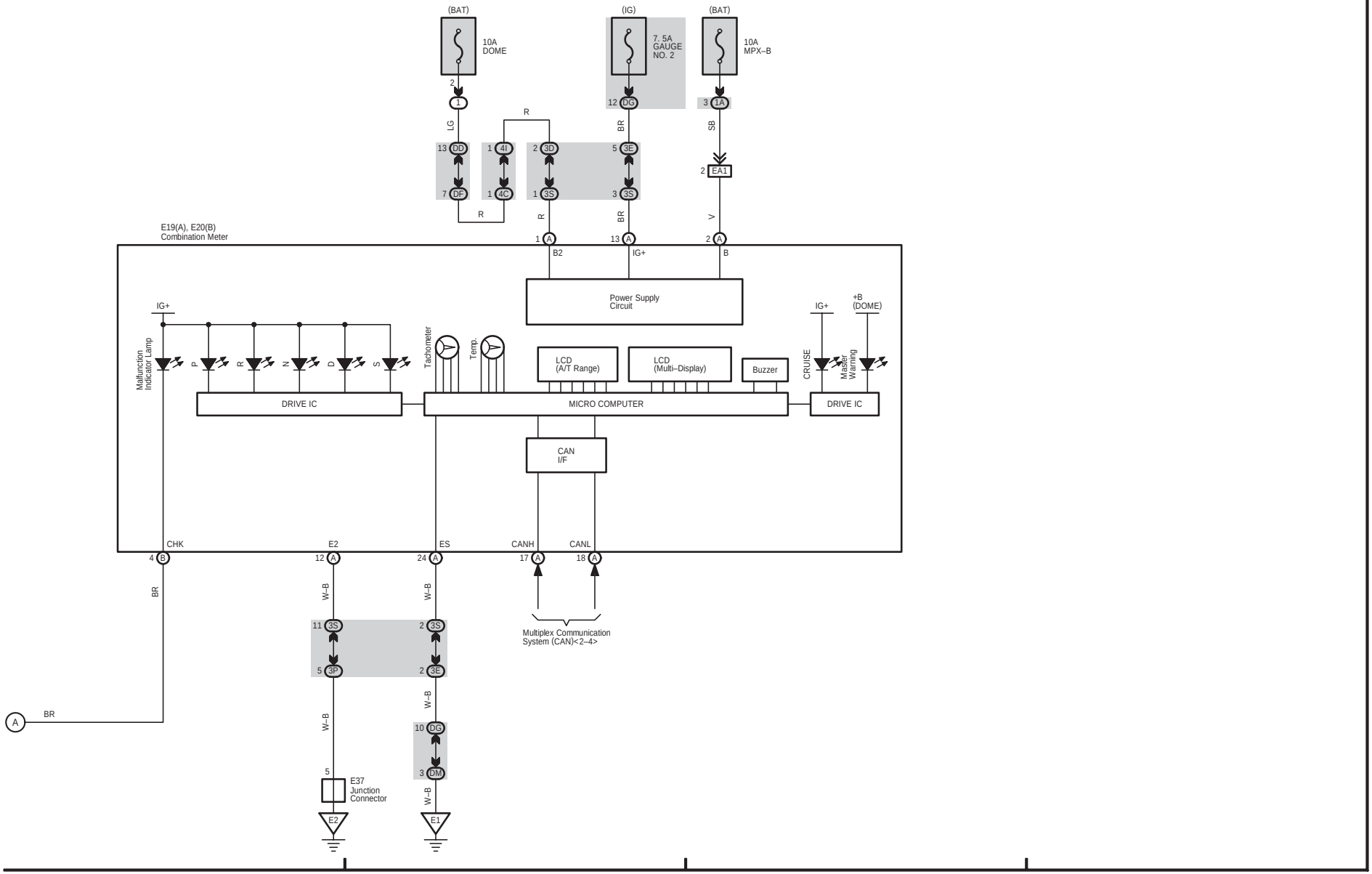
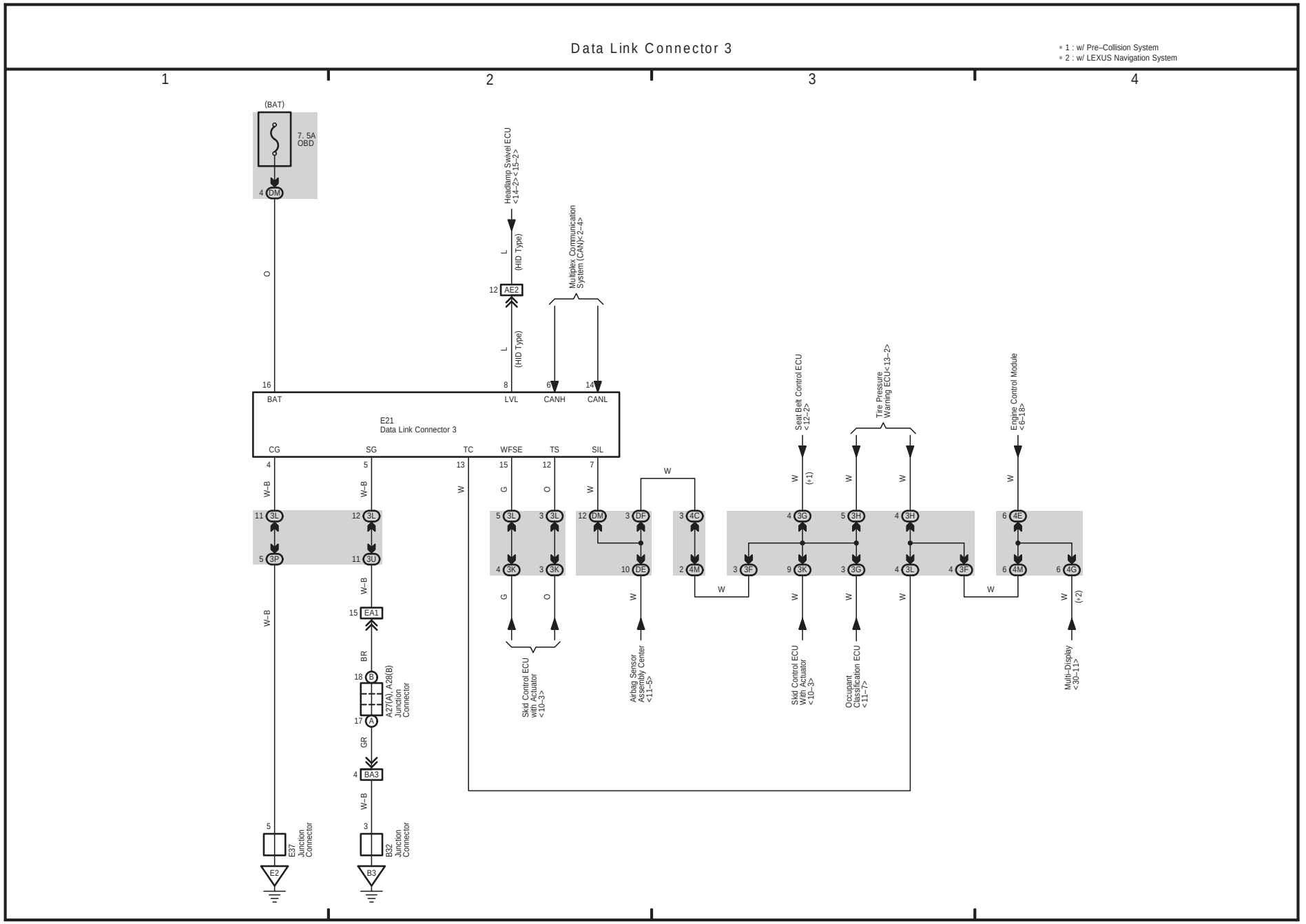
Electronically Controlled Transmission and A/T Indicator

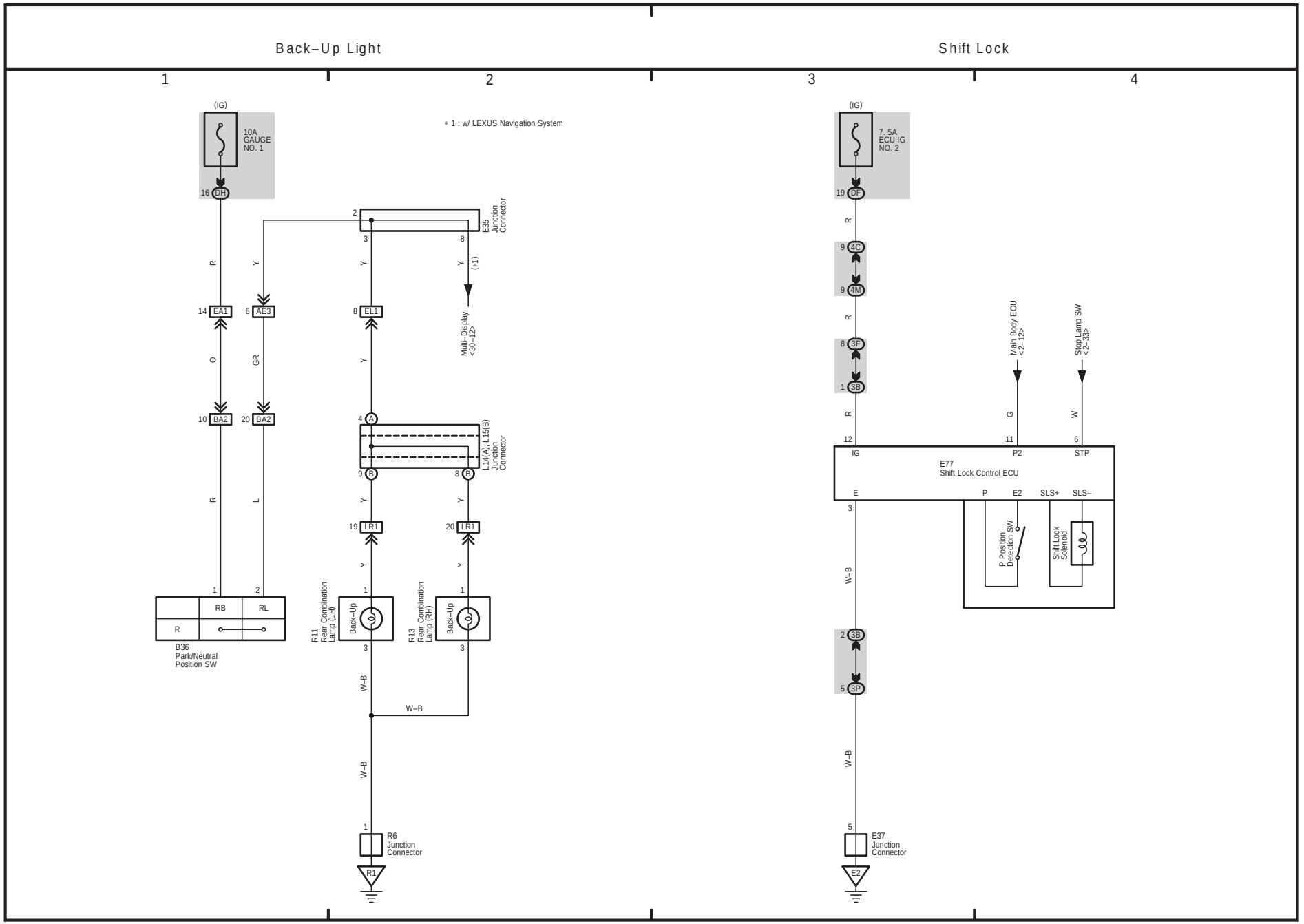


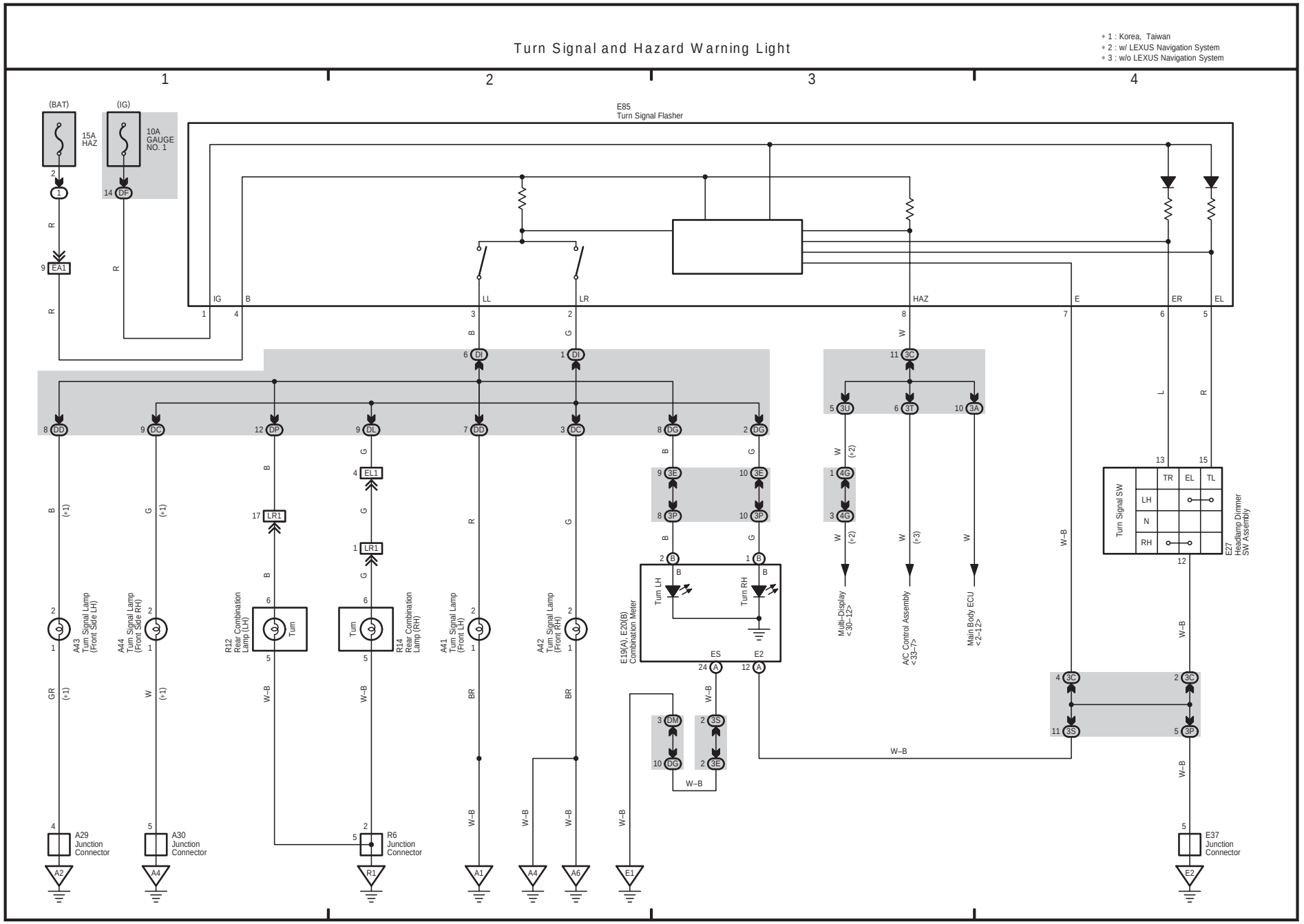
6 ES 350 (Cont' d)

Electronically Controlled Transmission and A/T Indicator

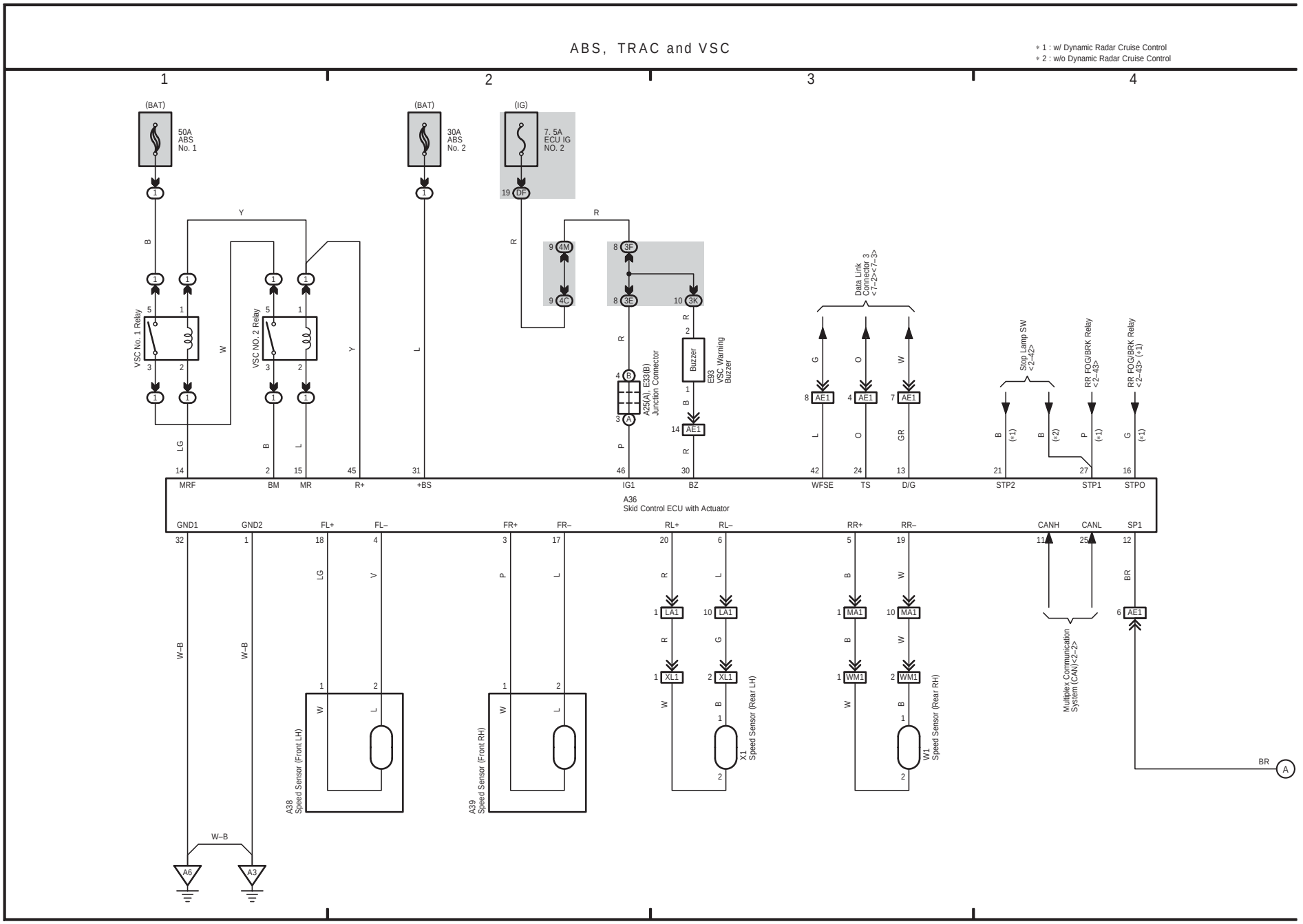


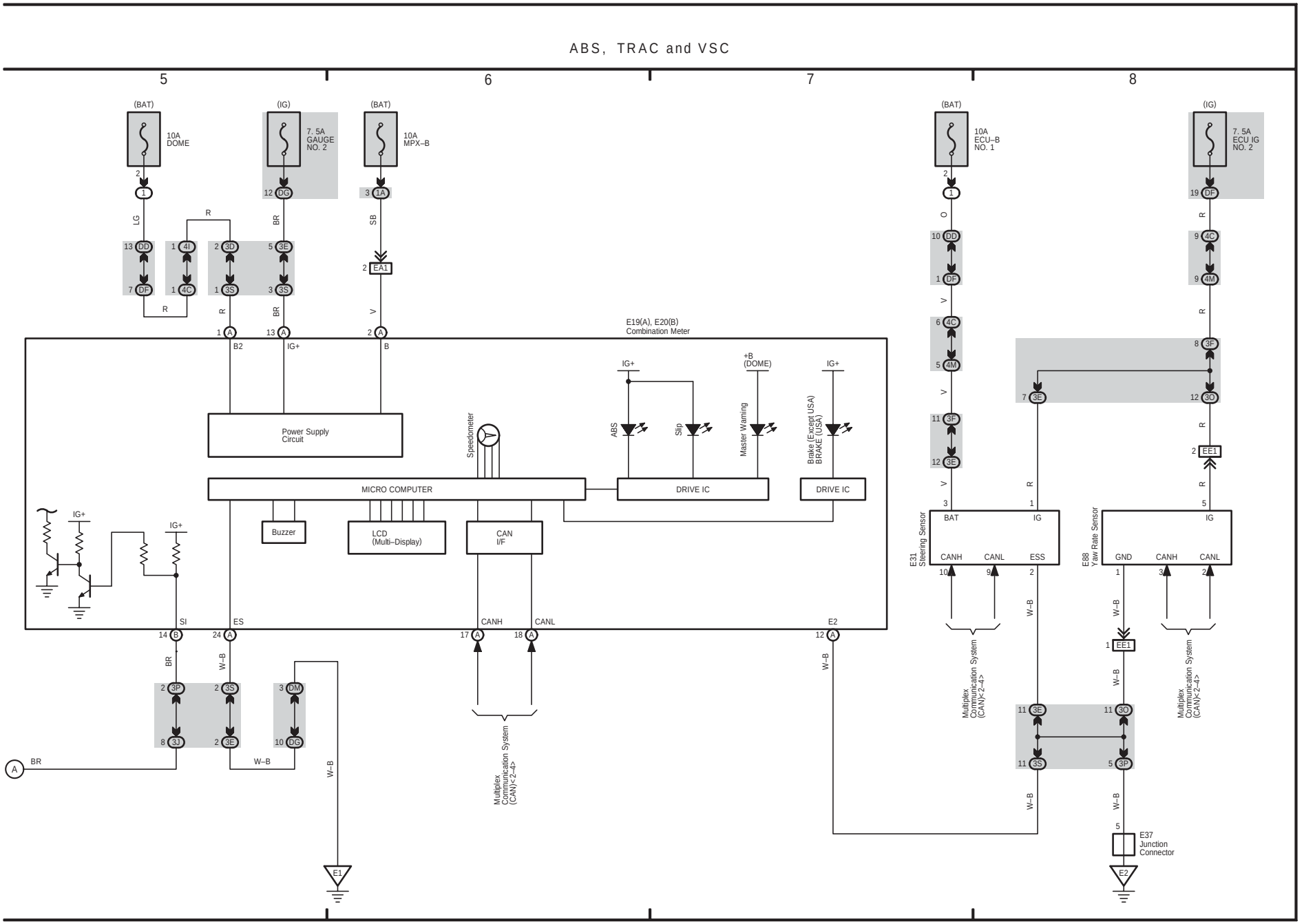

Data Link Connector 3
* 1 : w/ Pre–Collision System
* 2 : w/ LEXUS Navigation System
1
2
3
4
(BAT)
7. 5A
OBD
4 DM
O
16 BAT
Headlamp Swivel ECU
<14–2><15–2>
L
(HID Type)
12 AE2
L
(HID Type)
8 LVL
Multiplex Communication
System (CAN)<2–4>
6 CANH
14 CANL
E21
Data Link Connector 3
CG
SG
TC
WFSE
TS
SIL
4
5
13
15
12
7
W–B
W–B
W
G
O
W
11 3L
5 3P
12 3L
11 3U
5 3L
4 3K
3 3L
3 3K
12 DM
10 DE
3 DF
3 4C
2 4M
W
W–B
15 EA1
BR
18 B
17 A
A27(A), A28(B)
Junction
Connector
GR
4 BA3
W–B
5
E37
Junction
Connector
E2
3
B32
Junction
Connector
B3
W–B
G
O
W
W
Skid Control ECU
with Actuator
<10–3>
Airbag Sensor
Assembly Center
<11–5>
Seat Belt Control ECU
<12–2>
W
(*1)
4 3G
9 3K
3 3F
Skid Control ECU
With Actuator
<10–3>
Tire Pressure
Warning ECU<13–2>
W
W
5 3H
3 3G
4 3H
4 3L
4 3F
W
Occupant
Classification ECU
<11–7>
Engine Control Module
<6–18>
W
W
6 4E
6 4M
6 4G
W
(*2)
Multi–Display
<30–11>

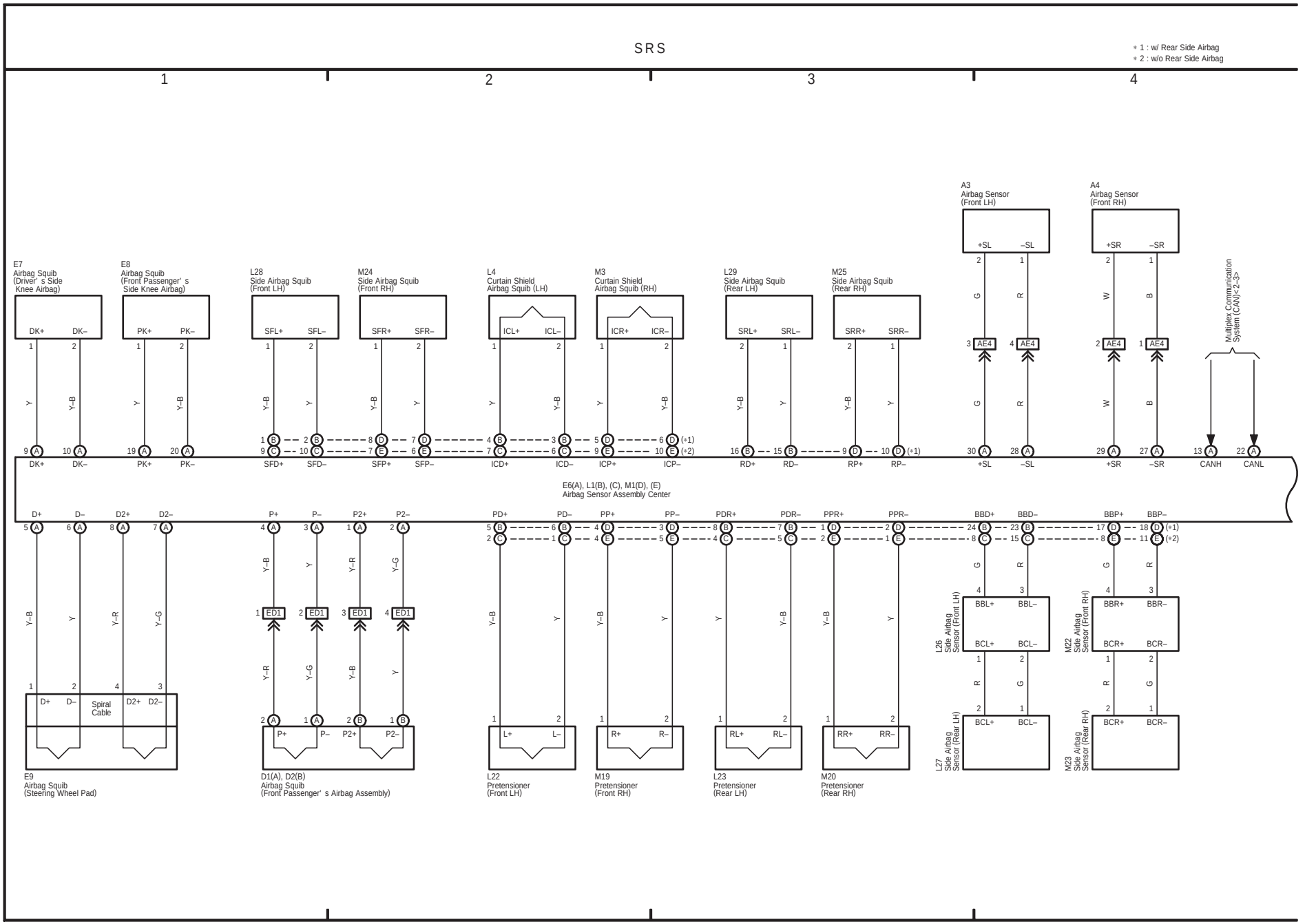

Back–Up Light
Shift Lock
1
2
3
4
(IG)
10A GAUGE NO. 1
16 DH
* 1 : w/ LEXUS Navigation System
E35 Junction Connector
Multi–Display <30–12>
14 EA1
6 AE3
8 EL1
10 BA2
20 BA2
4 A
L14(A), L15(B) Junction Connector
9 B
8 B
19 LR1
20 LR1
R11 Rear Combination Lamp (LH)
R13 Rear Combination Lamp (RH)
Back–Up
RB
RL
R
B36 Park/Neutral Position SW
W–B
R6 Junction Connector
R1
(IG)
7.5A ECU IG NO. 2
19 DF
9 4C
9 4M
8 3F
1 3B
2 3B
5 3P
Main Body ECU <2–12>
Stop Lamp SW <2–33>
12 IG
11 P2
6 STP
E77 Shift Lock Control ECU
E P E2 SLS+ SLS–
P Position Detection SW
Shift Lock Solenoid
E37 Junction Connector
E2

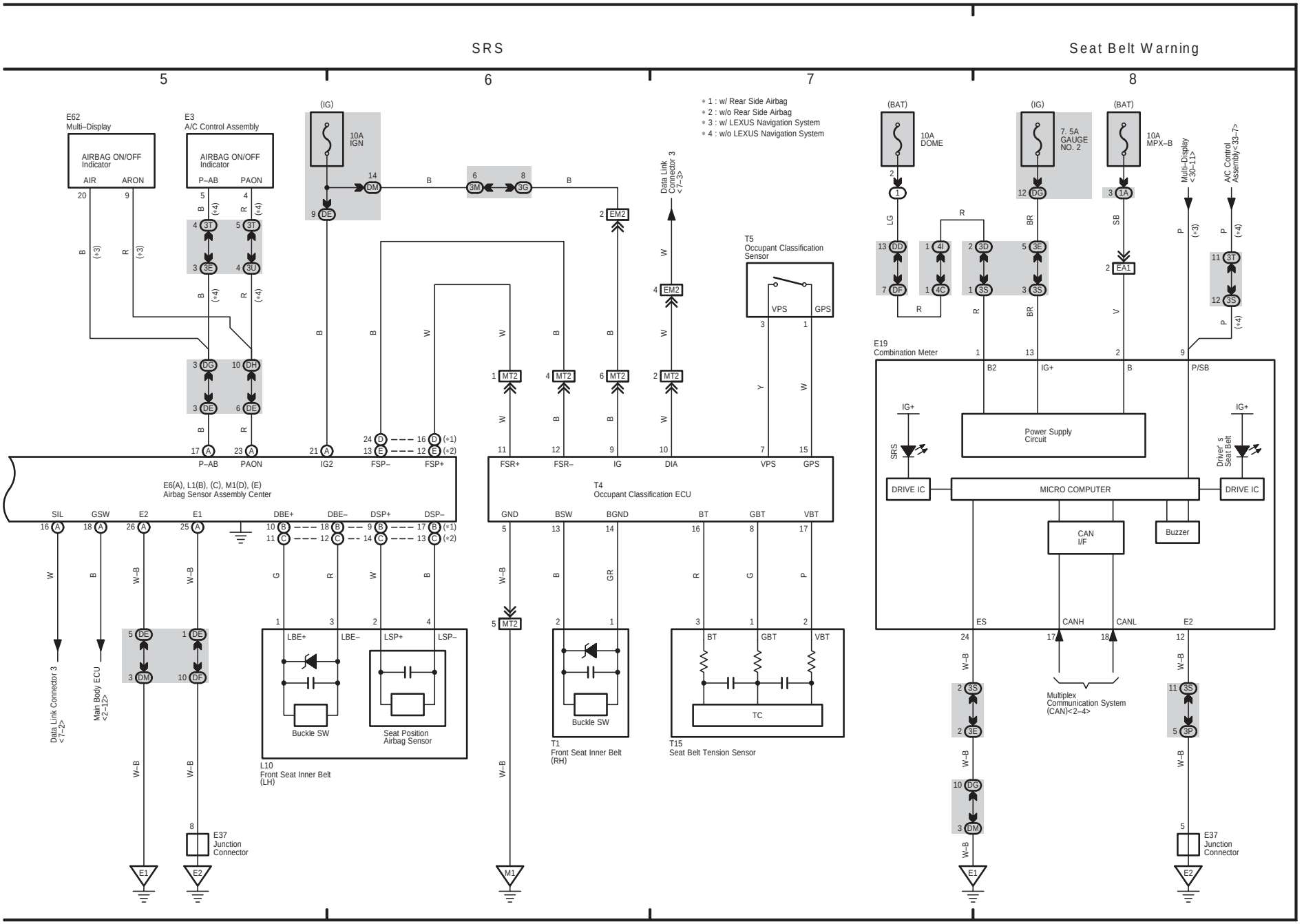

Turn Signal and Hazard Warning Light
* 1 : Korea, Taiwan
* 2 : w/ LEXUS Navigation System
* 3 : w/o LEXUS Navigation System
1
2
3
4
(BAT)
(IG)
15A HAZ
10A GAUGE NO. 1
E85
Turn Signal Flasher
IG
B
LL
LR
HAZ
E
ER
EL
A43 Turn Signal Lamp (Front Side LH)
A44 Turn Signal Lamp (Front Side RH)
R12 Rear Combination Lamp (LH)
R14 Rear Combination Lamp (RH)
A41 Turn Signal Lamp (Front LH)
A42 Turn Signal Lamp (Front RH)
E19(A), E20(B) Combination Meter
Turn LH
Turn RH
ES
E2
Multi-Display <30-12>
A/C Control Assembly <33-7>
Main Body ECU <2-12>
Turn Signal SW
TR
EL
TL
LH
N
RH
E27 Headlamp Dimmer SW Assembly
A29 Junction Connector
A30 Junction Connector
R6 Junction Connector
E37 Junction Connector

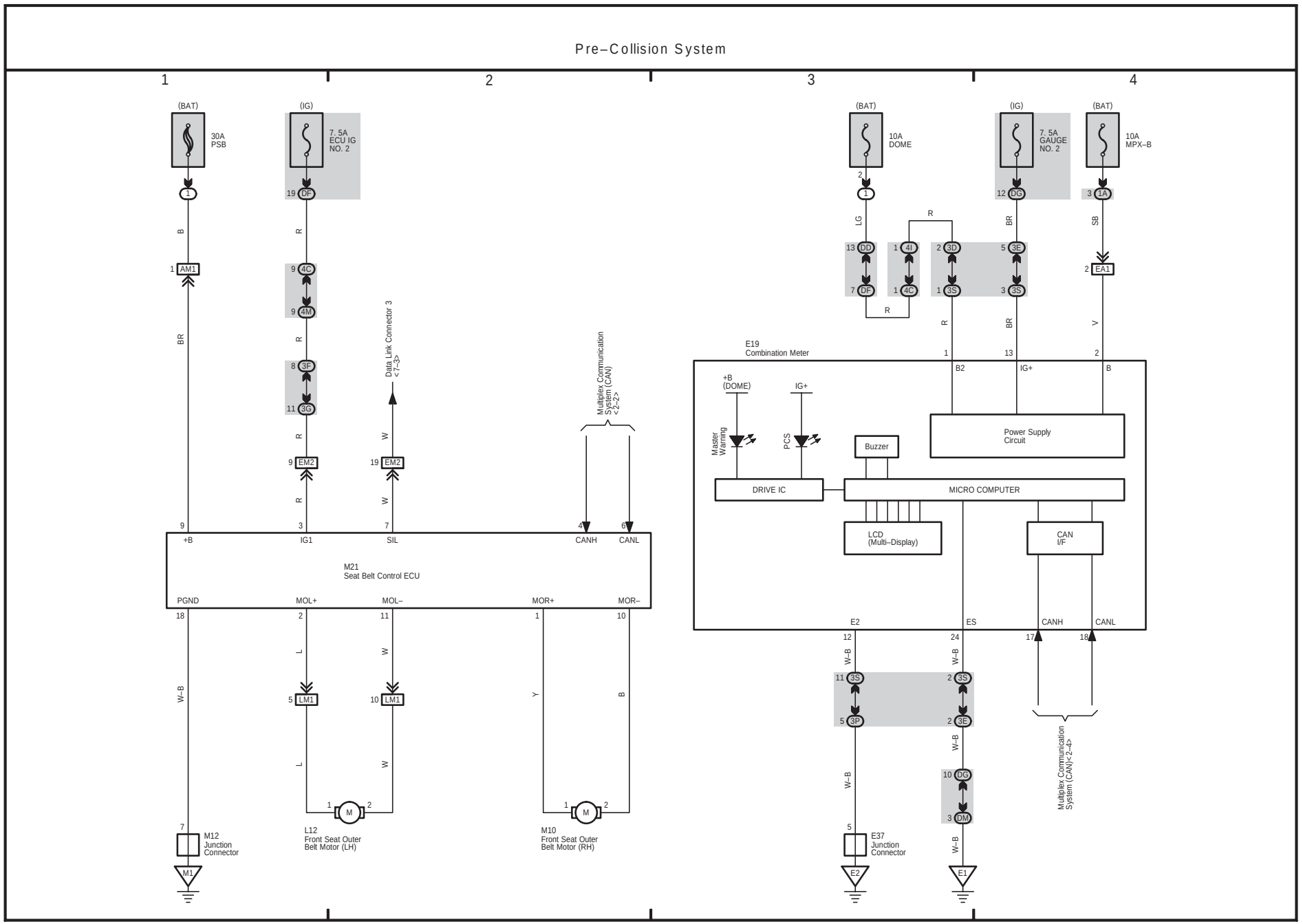
(Cont. next page)

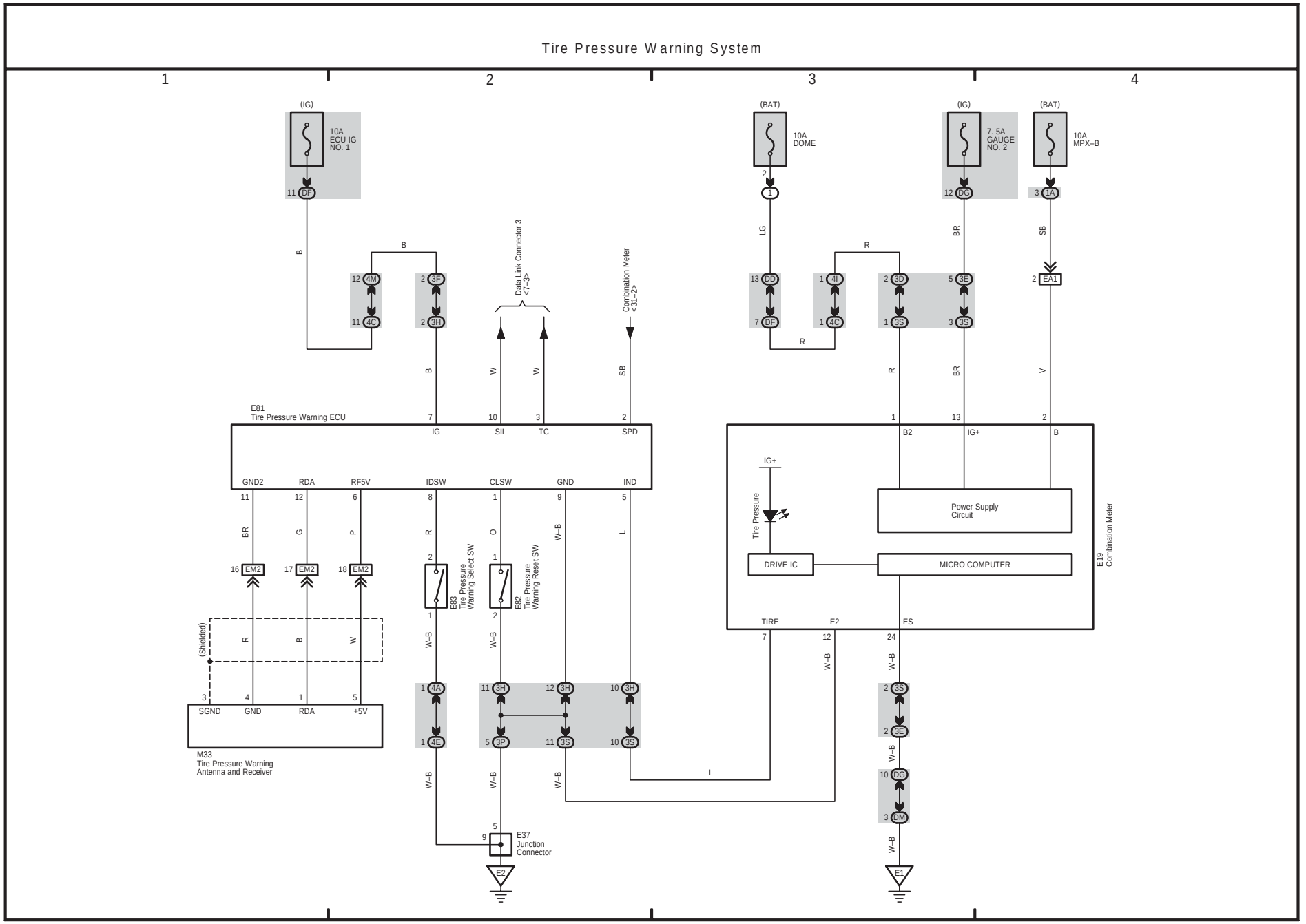


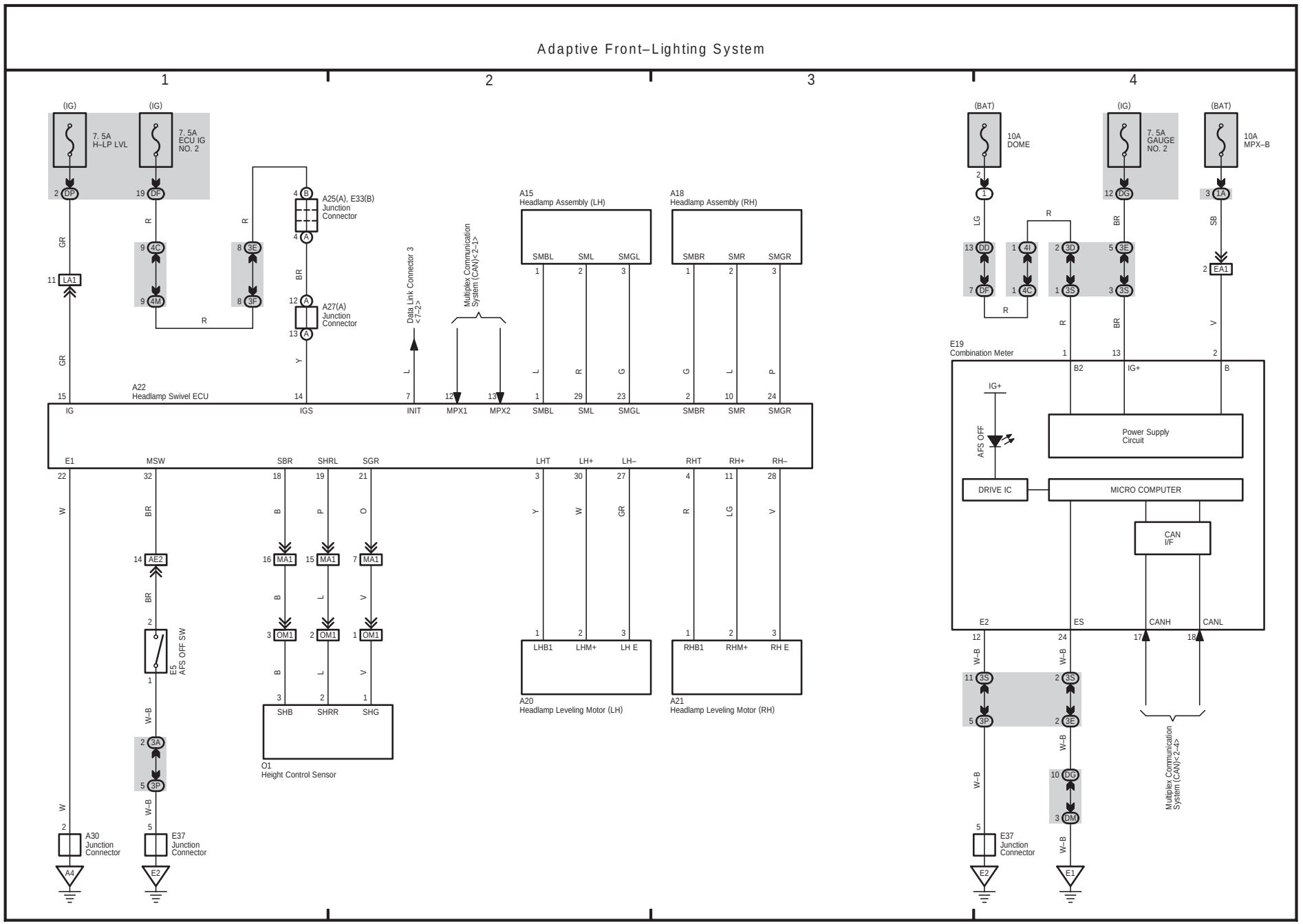

ABS, TRAC and VSC
5
6
7
8
(BAT)
10A DOME
(IG)
7. 5A GAUGE NO. 2
(BAT)
10A MPX–B
(BAT)
10A ECU–B NO. 1
(IG)
7. 5A ECU IG NO. 2
E19(A), E20(B) Combination Meter
Power Supply Circuit
Speedometer
ABS
Slip
Master Warning
+B (DOME)
Brake (Except USA) BRAKE (USA)
MICRO COMPUTER
DRIVE IC
DRIVE IC
Buzzer
LCD (Multi–Display)
CAN I/F
B2
IG+
B
SI
ES
CANH
CANL
E2
BAT
IG
CANH
CANL
ESS
E31 Steering Sensor
GND
CANH
CANL
E88 Yaw Rate Sensor
Multiplex Communication System (CAN)<2–4>
E37 Junction Connector
E1
E2
W–B
BR
LG
R
V
SB
O

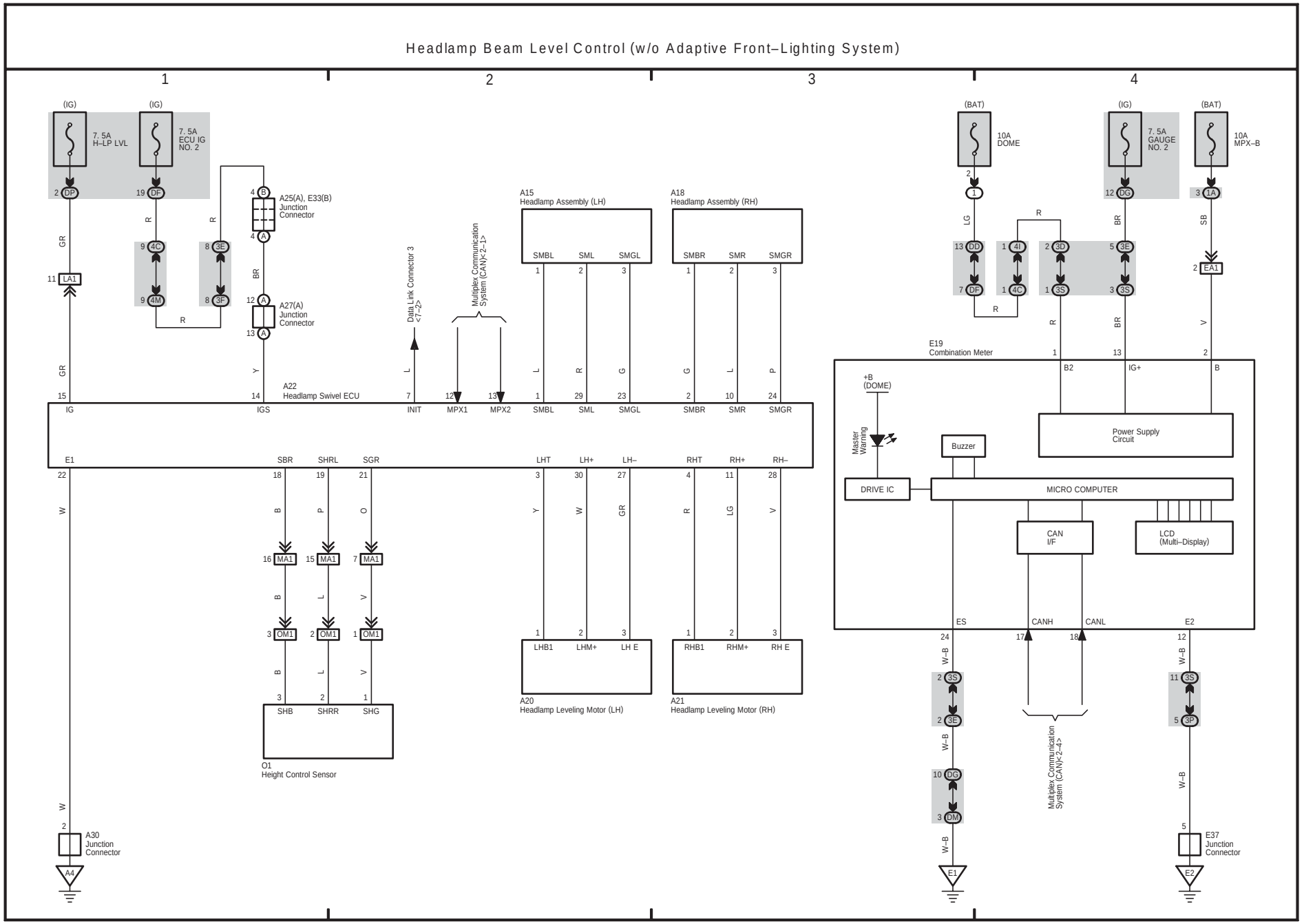

SRS
1
2
3
4
* 1 : w/ Rear Side Airbag
* 2 : w/o Rear Side Airbag
E7
Airbag Squib
(Driver' s Side
Knee Airbag)
E8
Airbag Squib
(Front Passenger' s
Side Knee Airbag)
L28
Side Airbag Squib
(Front LH)
M24
Side Airbag Squib
(Front RH)
L4
Curtain Shield
Airbag Squib (LH)
M3
Curtain Shield
Airbag Squib (RH)
L29
Side Airbag Squib
(Rear LH)
M25
Side Airbag Squib
(Rear RH)
A3
Airbag Sensor
(Front LH)
A4
Airbag Sensor
(Front RH)
Multiplex Communication
System (CAN)<2-3>
DK+
DK–
PK+
PK–
SFL+
SFL–
SFR+
SFR–
ICL+
ICL–
ICR+
ICR–
SRL+
SRL–
SRR+
SRR–
+SL
–SL
+SR
–SR
AE4
CANH
CANL
E6(A), L1(B), (C), M1(D), (E)
Airbag Sensor Assembly Center
SFD+
SFD–
SFP+
SFP–
ICD+
ICD–
ICP+
ICP–
RD+
RD–
RP+
RP–
D+
D–
D2+
D2–
P+
P–
P2+
P2–
PD+
PD–
PP+
PP–
PDR+
PDR–
PPR+
PPR–
BBD+
BBD–
BBP+
BBP–
ED1
Spiral
Cable
L+
L–
R+
R–
RL+
RL–
RR+
RR–
BBL+
BBL–
BCL+
BCL–
BBR+
BBR–
BCR+
BCR–
E9
Airbag Squib
(Steering Wheel Pad)
D1(A), D2(B)
Airbag Squib
(Front Passenger' s Airbag Assembly)
L22
Pretensioner
(Front LH)
M19
Pretensioner
(Front RH)
L23
Pretensioner
(Rear LH)
M20
Pretensioner
(Rear RH)
L26
Side Airbag
Sensor (Front LH)
L27
Side Airbag
Sensor (Rear LH)
M22
Side Airbag
Sensor (Front RH)
M23
Side Airbag
Sensor (Rear RH)

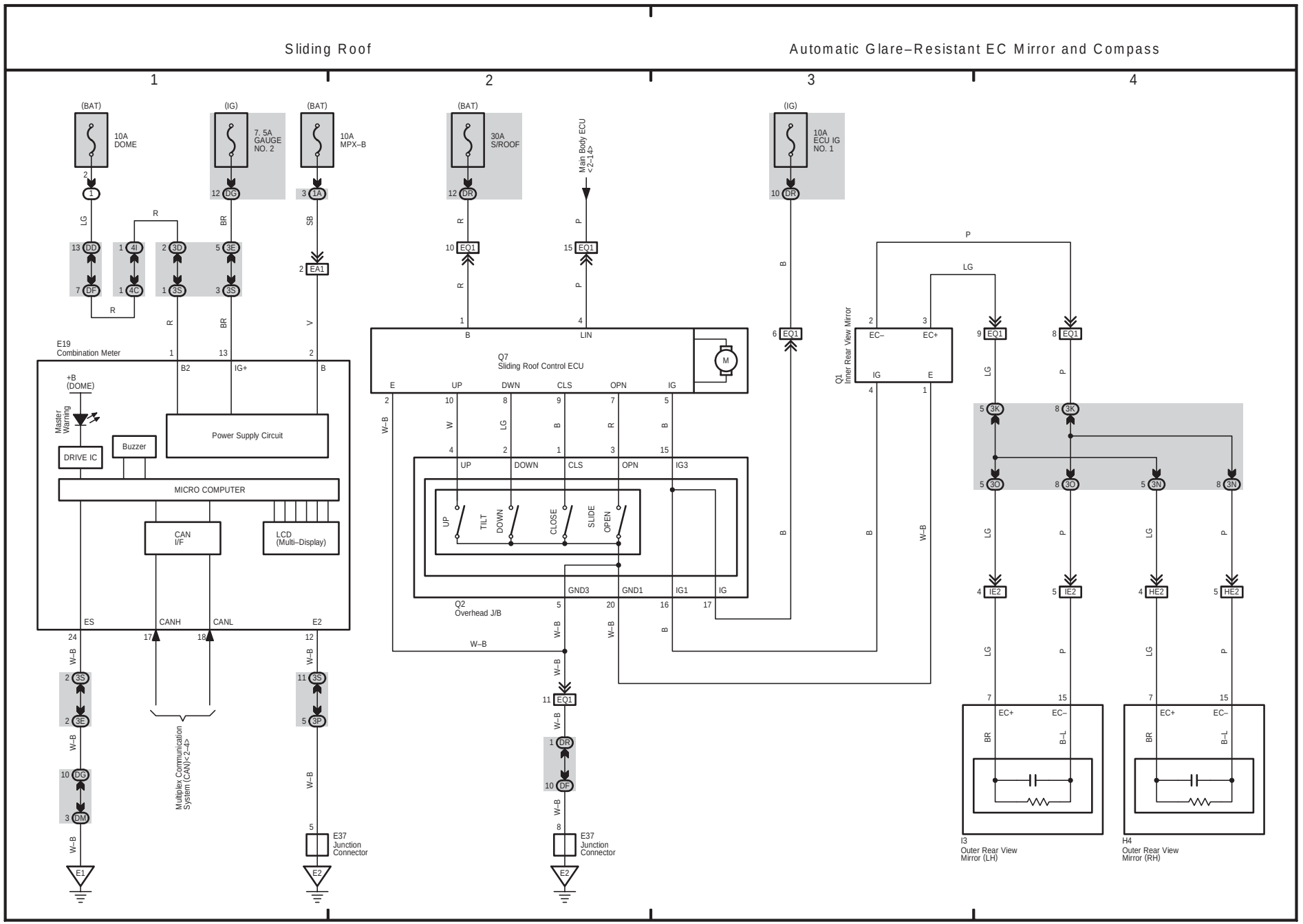

SRS
Seat Belt Warning
5
6
7
8
* 1 : w/ Rear Side Airbag
* 2 : w/o Rear Side Airbag
* 3 : w/ LEXUS Navigation System
* 4 : w/o LEXUS Navigation System
E62
Multi–Display
AIRBAG ON/OFF Indicator
AIR
ARON
E3
A/C Control Assembly
AIRBAG ON/OFF Indicator
P–AB
PAON
(IG)
10A IGN
Data Link Connector 3 <7–3>
T5
Occupant Classification Sensor
VPS
GPS
(BAT)
10A DOME
(IG)
7. 5A GAUGE NO. 2
(BAT)
10A MPX–B
Multi–Display <30–11>
A/C Control Assembly<33–7>
E19
Combination Meter
B2
IG+
B
P/SB
Power Supply Circuit
SRS
Driver's Seat Belt
DRIVE IC
MICRO COMPUTER
DRIVE IC
CAN I/F
Buzzer
ES
CANH
CANL
E2
E6(A), L1(B), (C), M1(D), (E)
Airbag Sensor Assembly Center
SIL
GSW
E2
E1
DBE+
DBE–
DSP+
DSP–
P–AB
PAON
IG2
FSP–
FSP+
T4
Occupant Classification ECU
FSR+
FSR–
IG
DIA
VPS
GPS
GND
BSW
BGND
BT
GBT
VBT
Data Link Connector 3 <7–2>
Main Body ECU <2–12>
Buckle SW
Seat Position Airbag Sensor
L10
Front Seat Inner Belt (LH)
T1
Front Seat Inner Belt (RH)
T15
Seat Belt Tension Sensor
TC
Multiplex Communication System (CAN)<2–4>
E37
Junction Connector
E37
Junction Connector
E1
E2
M1
E1
E2

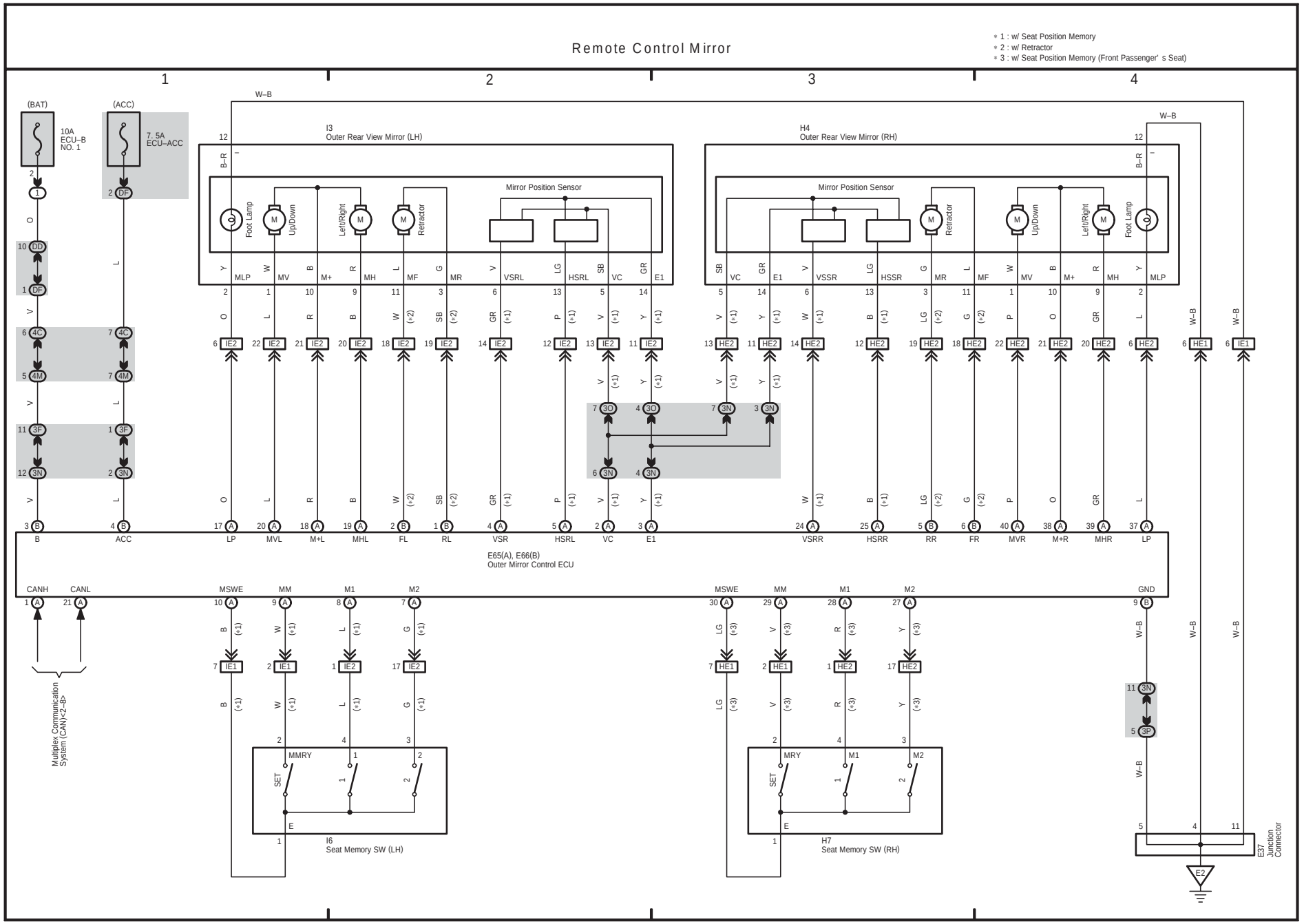

Pre–Collision System
1
2
3
4
(BAT)
30A
PSB
(IG)
7. 5A
ECU IG
NO. 2
(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
Data Link Connector 3
<7–3>
Multiplex Communication
System (CAN)
<2–2>
E19
Combination Meter
+B
(DOME)
IG+
Master
Warning
PCS
Buzzer
Power Supply
Circuit
DRIVE IC
MICRO COMPUTER
LCD
(Multi–Display)
CAN
I/F
M21
Seat Belt Control ECU
+B
IG1
SIL
CANH
CANL
PGND
MOL+
MOL–
MOR+
MOR–
B2
IG+
B
E2
ES
CANH
CANL
M12
Junction
Connector
L12
Front Seat Outer
Belt Motor (LH)
M10
Front Seat Outer
Belt Motor (RH)
E37
Junction
Connector
Multiplex Communication
System (CAN)<2–4>
M1
E2
E1

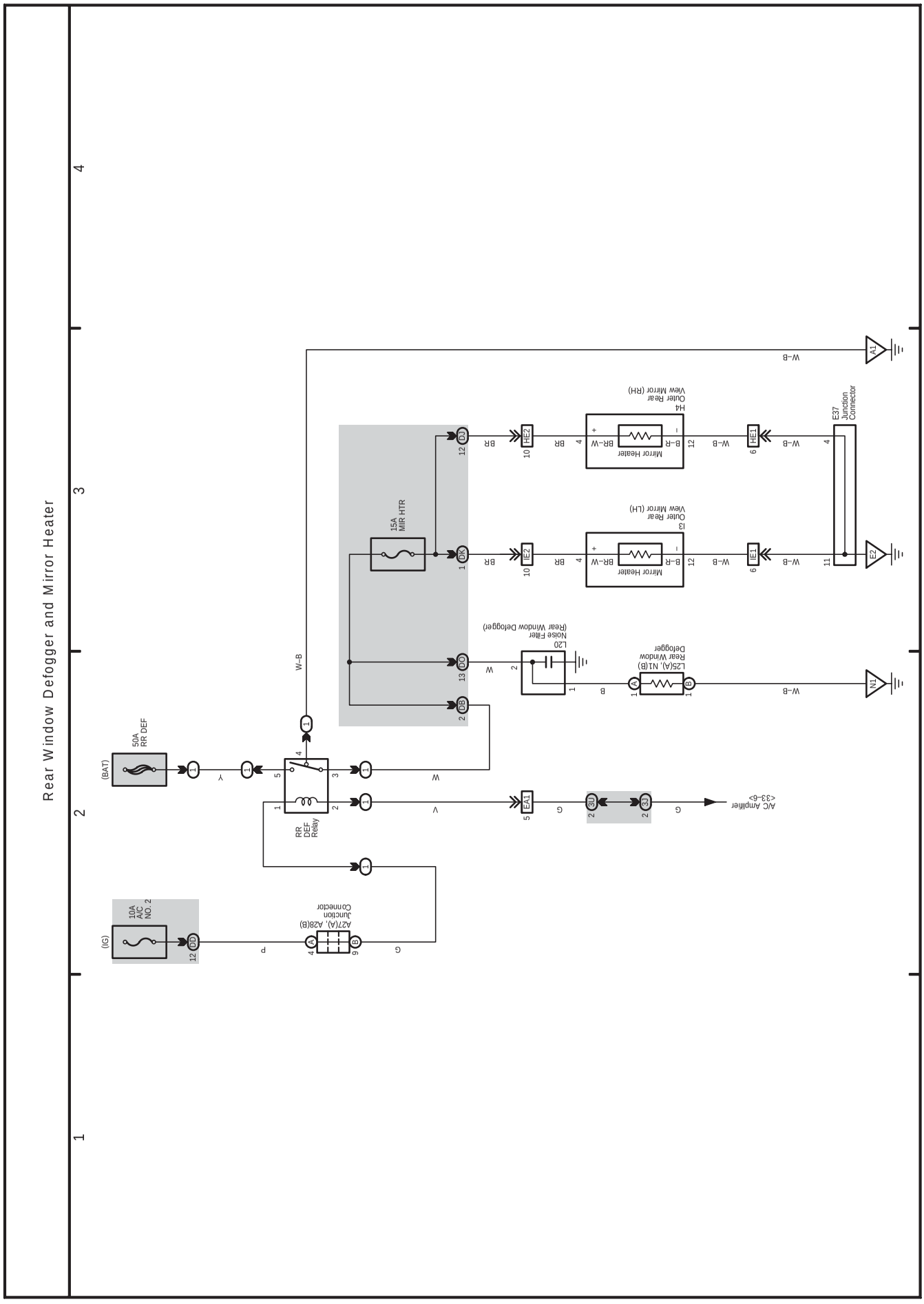

Tire Pressure Warning System
1
2
3
4
(IG)
10A
ECU IG
NO. 1
11 DF
B
12 4M
11 4C
B
2 3P
2 3H
Data Link Connector 3
<7–3>
W
W
Combination Meter
<31–2>
SB
(BAT)
10A
DOME
2
1
LG
13 DD
7 DF
R
1 4I
1 4C
R
(IG)
7. 5A
GAUGE
NO. 2
12 DG
BR
2 3D
1 3S
5 3E
3 3S
R
BR
(BAT)
10A
MPX–B
3 1A
SB
2 EA1
V
E81
Tire Pressure Warning ECU
7
10
3
2
IG
SIL
TC
SPD
GND2
RDA
RF5V
IDSW
CLSW
GND
IND
11
12
6
8
1
9
5
BR
G
P
R
O
W–B
L
16 EM2
17 EM2
18 EM2
2
1
E83
Tire Pressure
Warning Select SW
E82
Tire Pressure
Warning Reset SW
1
2
W–B
W–B
(Shielded)
R
B
W
3
4
1
5
SGND
GND
RDA
+5V
M33
Tire Pressure Warning
Antenna and Receiver
1 4A
1 4E
11 3H
12 3H
10 3H
5 3P
11 3S
10 3S
W–B
W–B
W–B
L
5
9
E37
Junction
Connector
E2
E1
B2
IG+
B
1
13
2
IG+
Tire Pressure
Power Supply
Circuit
DRIVE IC
MICRO COMPUTER
E19
Combination Meter
TIRE
E2
ES
7
12
24
W–B
W–B
2 3S
2 3E
W–B
10 DG
3 DM
W–B

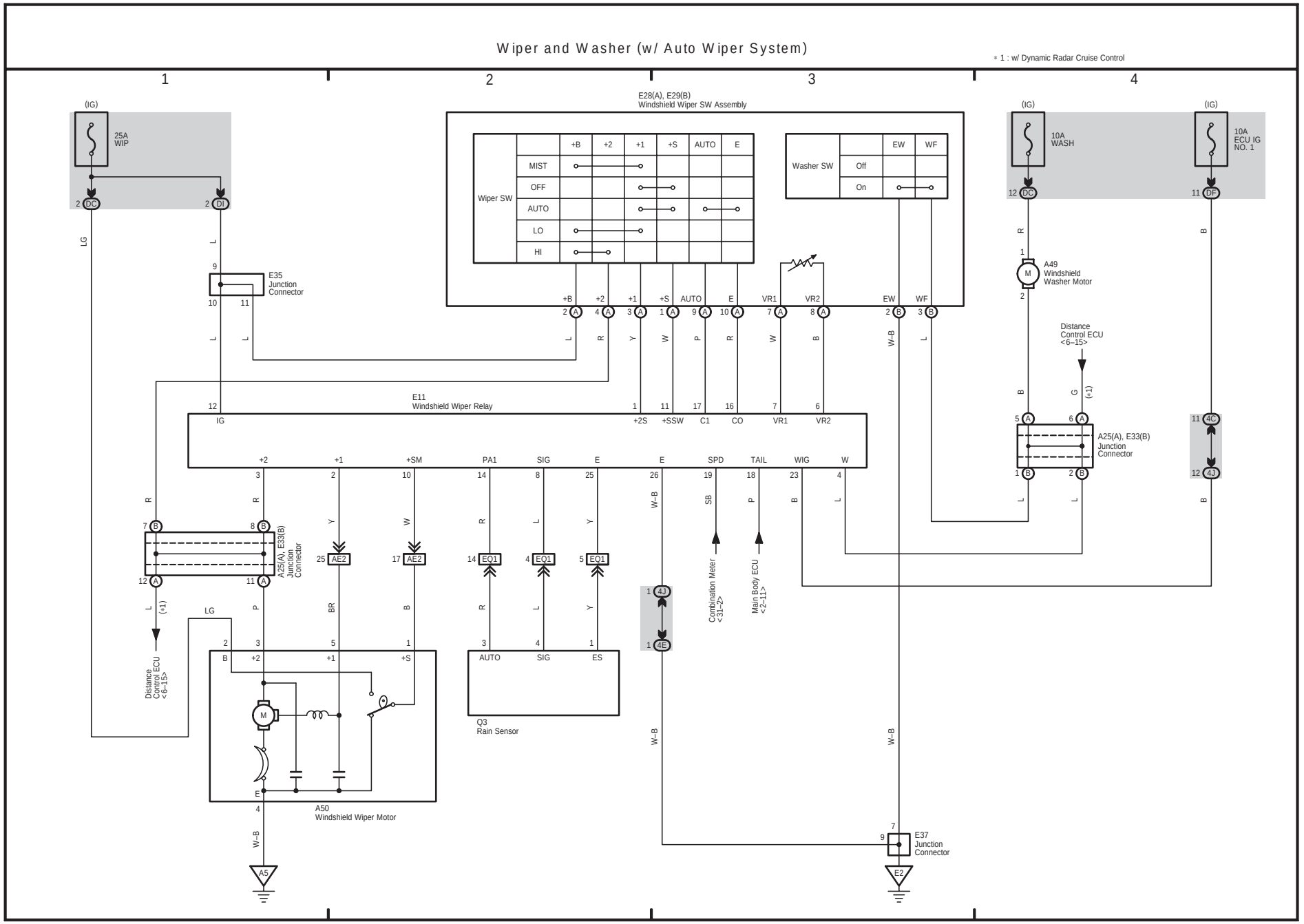

Adaptive Front–Lighting System
1
2
3
4
(IG)
7. 5A
H–LP LVL
(IG)
7. 5A
ECU IG
NO. 2
2 DP
19 DF
R
GR
9 4C
9 4M
R
11 LA1
GR
15
A22
Headlamp Swivel ECU
IG
R
8 3E
8 3F
4 B
A25(A), E33(B)
Junction
Connector
4 A
BR
12 A
A27(A)
Junction
Connector
13 A
Y
14
IGS
Data Link Connector 3
<2–2>
L
7
INIT
Multiplex Communication
System (CAN)<2–1>
12
MPX1
13
MPX2
A15
Headlamp Assembly (LH)
SMBL
SML
SMGL
1
2
3
L
R
G
1
29
23
SMBL
SML
SMGL
A18
Headlamp Assembly (RH)
SMBR
SMR
SMGR
1
2
3
G
L
P
2
10
24
SMBR
SMR
SMGR
E1
MSW
SBR
SHRL
SGR
LHT
LH+
LH–
RHT
RH+
RH–
22
32
18
19
21
3
30
27
4
11
28
W
BR
B
P
O
Y
W
GR
R
LG
V
14 AE2
BR
2
1
E5
AFS OFF SW
W–B
2 3A
5 3P
16 MA1
15 MA1
7 MA1
B
L
V
3 OM1
2 OM1
1 OM1
B
L
V
3
2
1
SHB
SHRR
SHG
O1
Height Control Sensor
1
2
3
LHB1
LHM+
LH E
A20
Headlamp Leveling Motor (LH)
1
2
3
RHB1
RHM+
RH E
A21
Headlamp Leveling Motor (RH)
W
2
A30
Junction
Connector
A4
W–B
5
E37
Junction
Connector
E2
(BAT)
10A
DOME
2
1
LG
13 DD
7 DF
R
1 4I
1 4C
R
(IG)
7. 5A
GAUGE
NO. 2
12 DG
BR
2 3D
1 3S
R
5 3E
3 3S
BR
(BAT)
10A
MPX–B
3 1A
SB
2 EA1
V
E19
Combination Meter
1
13
2
B2
IG+
B
IG+
AFS OFF
Power Supply
Circuit
DRIVE IC
MICRO COMPUTER
CAN
I/F
E2
ES
CANH
CANL
12
24
17
18
W–B
W–B
11 3S
5 3P
2 3S
2 3E
W–B
10 DG
3 DM
W–B
Multiplex Communication
System (CAN)<2–4>
W–B
5
E37
Junction
Connector
E2
E1

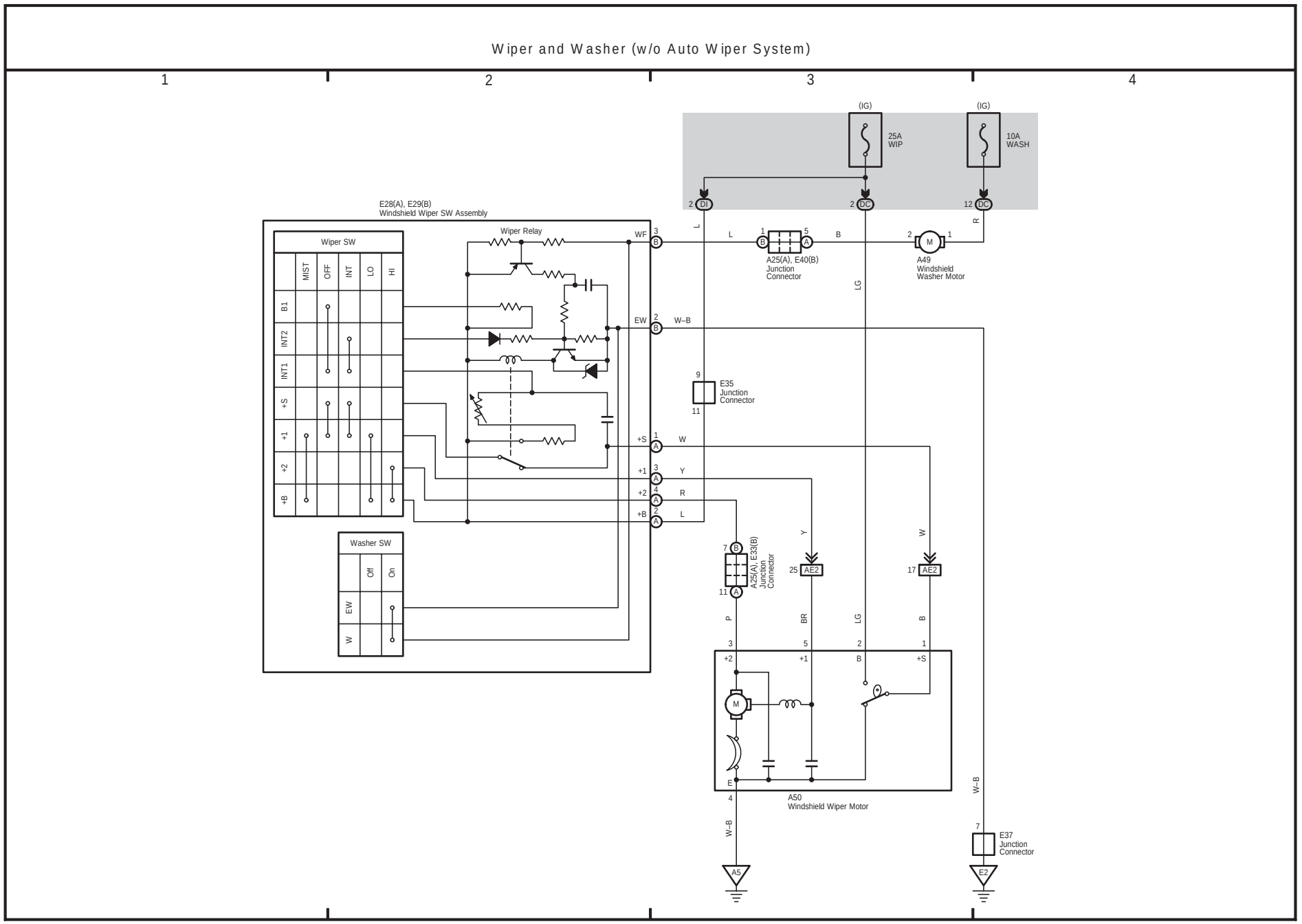

Headlamp Beam Level Control (w/o Adaptive Front–Lighting System)
1
2
3
4
(IG)
7. 5A
H–LP LVL
(IG)
7. 5A
ECU IG
NO. 2
A25(A), E33(B)
Junction
Connector
A27(A)
Junction
Connector
Data Link Connector 3
<1–2>
Multiplex Communication
System (CAN)<2–1>
A15
Headlamp Assembly (LH)
A18
Headlamp Assembly (RH)
SMBL
SML
SMGL
SMBR
SMR
SMGR
A22
Headlamp Swivel ECU
IG
IGS
INIT
MPX1
MPX2
E1
SBR
SHRL
SGR
LHT
LH+
LH–
RHT
RH+
RH–
O1
Height Control Sensor
SHB
SHRR
SHG
A20
Headlamp Leveling Motor (LH)
LHB1
LHM+
LH E
A21
Headlamp Leveling Motor (RH)
RHB1
RHM+
RH E
A30
Junction
Connector
A4
(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
E19
Combination Meter
B2
IG+
B
+B
(DOME)
Master
Warning
Buzzer
Power Supply
Circuit
DRIVE IC
MICRO COMPUTER
CAN
I/F
LCD
(Multi–Display)
ES
CANH
CANL
E2
Multiplex Communication
System (CAN)<2–4>
E37
Junction
Connector
E1
E2

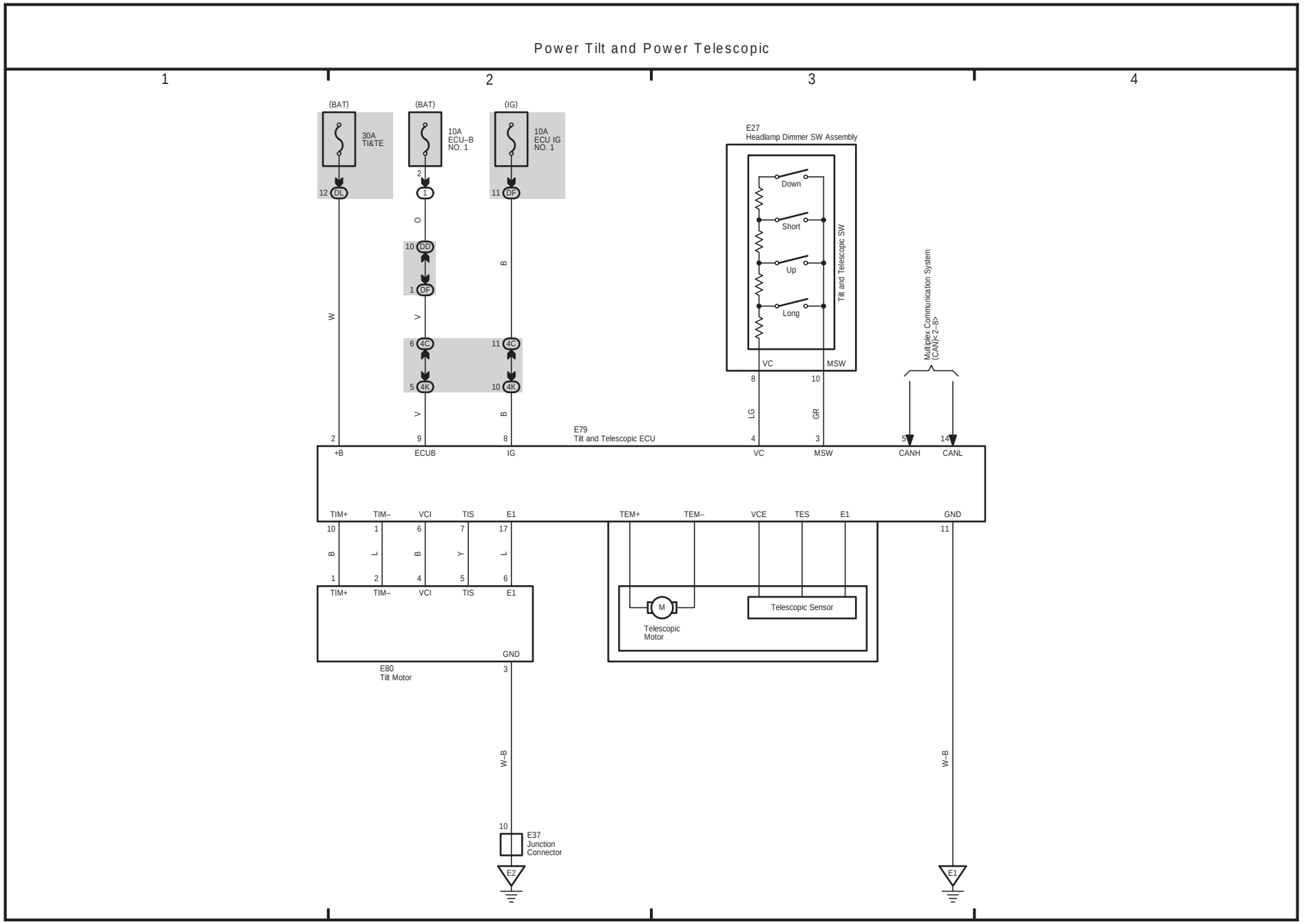

Sliding Roof
Automatic Glare–Resistant EC Mirror and Compass
1
2
3
4
(BAT)
10A DOME
(IG)
7. 5A GAUGE NO. 2
(BAT)
10A MPX–B
(BAT)
30A S/ROOF
Main Body ECU <2–14>
(IG)
10A ECU IG NO. 1
E19 Combination Meter
+B (DOME)
Master Warning
DRIVE IC
Buzzer
Power Supply Circuit
MICRO COMPUTER
CAN I/F
LCD (Multi–Display)
ES
CANH
CANL
E2
Multiplex Communication System (CAN) <2–4>
E37 Junction Connector
E1
E2
Q7 Sliding Roof Control ECU
UP
DWN
CLS
OPN
IG
IG3
GND3
GND1
IG1
Q2 Overhead J/B
Q1 Inner Rear View Mirror
EC–
EC+
I3 Outer Rear View Mirror (LH)
H4 Outer Rear View Mirror (RH)

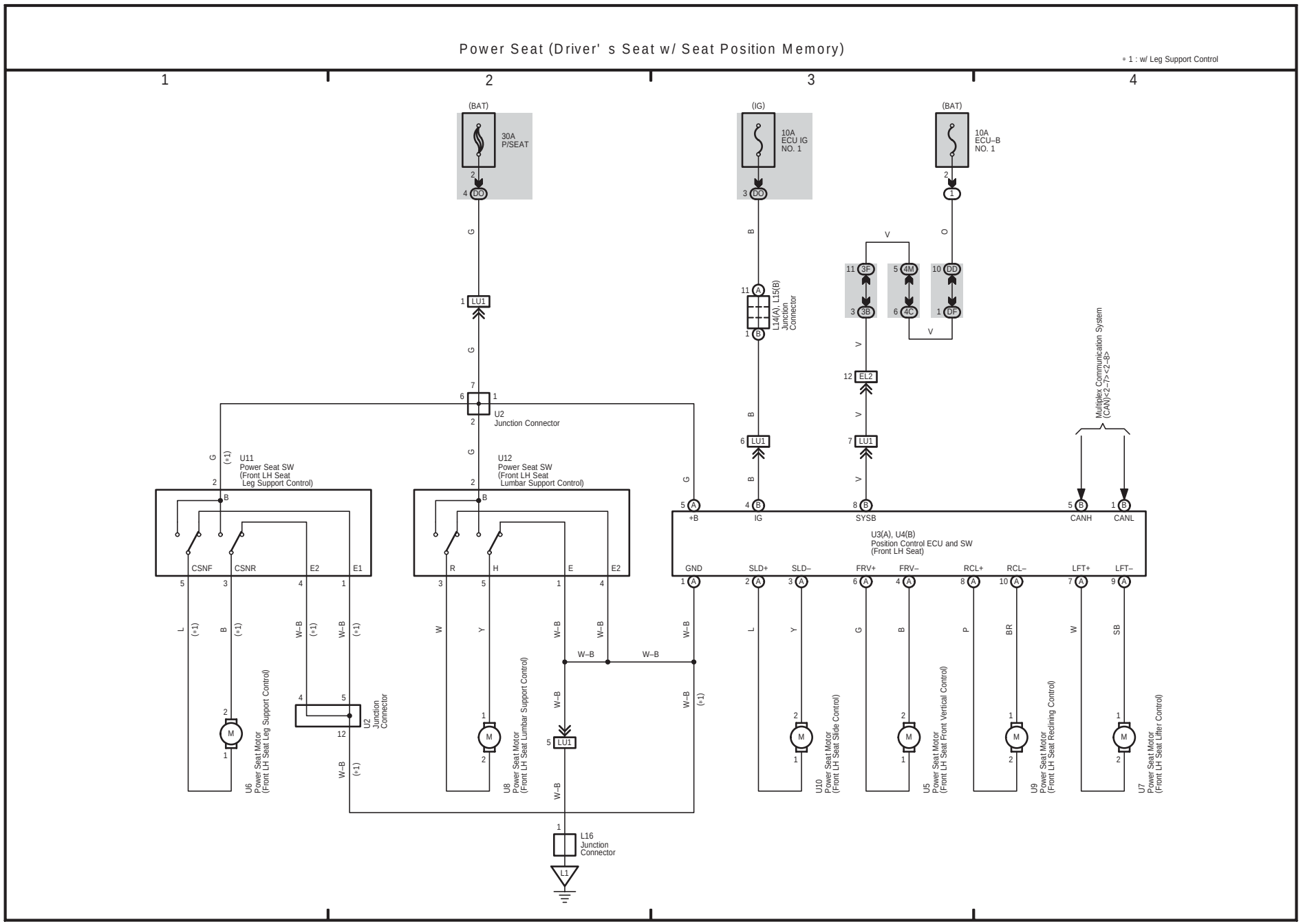

Remote Control Mirror
* 1 : w/ Seat Position Memory
* 2 : w/ Retractor
* 3 : w/ Seat Position Memory (Front Passenger' s Seat)
1
2
3
4
(BAT)
(ACC)
10A ECU–B NO. 1
7. 5A ECU–ACC
W–B
I3
Outer Rear View Mirror (LH)
H4
Outer Rear View Mirror (RH)
Mirror Position Sensor
Foot Lamp
Up/Down
Left/Right
Retractor
MLP
MV
M+
MH
MF
MR
VSRL
HSRL
VC
E1
VSSR
HSSR
B
ACC
LP
MVL
M+L
MHL
FL
RL
VSR
HSRL
VC
E1
VSRR
HSRR
RR
FR
MVR
M+R
MHR
LP
E65(A), E66(B)
Outer Mirror Control ECU
CANH
CANL
MSWE
MM
M1
M2
GND
Multiplex Communication System (CAN)–2–B–
MMRY
M1
M2
SET
I6
Seat Memory SW (LH)
H7
Seat Memory SW (RH)
E37 Junction Connector
E2

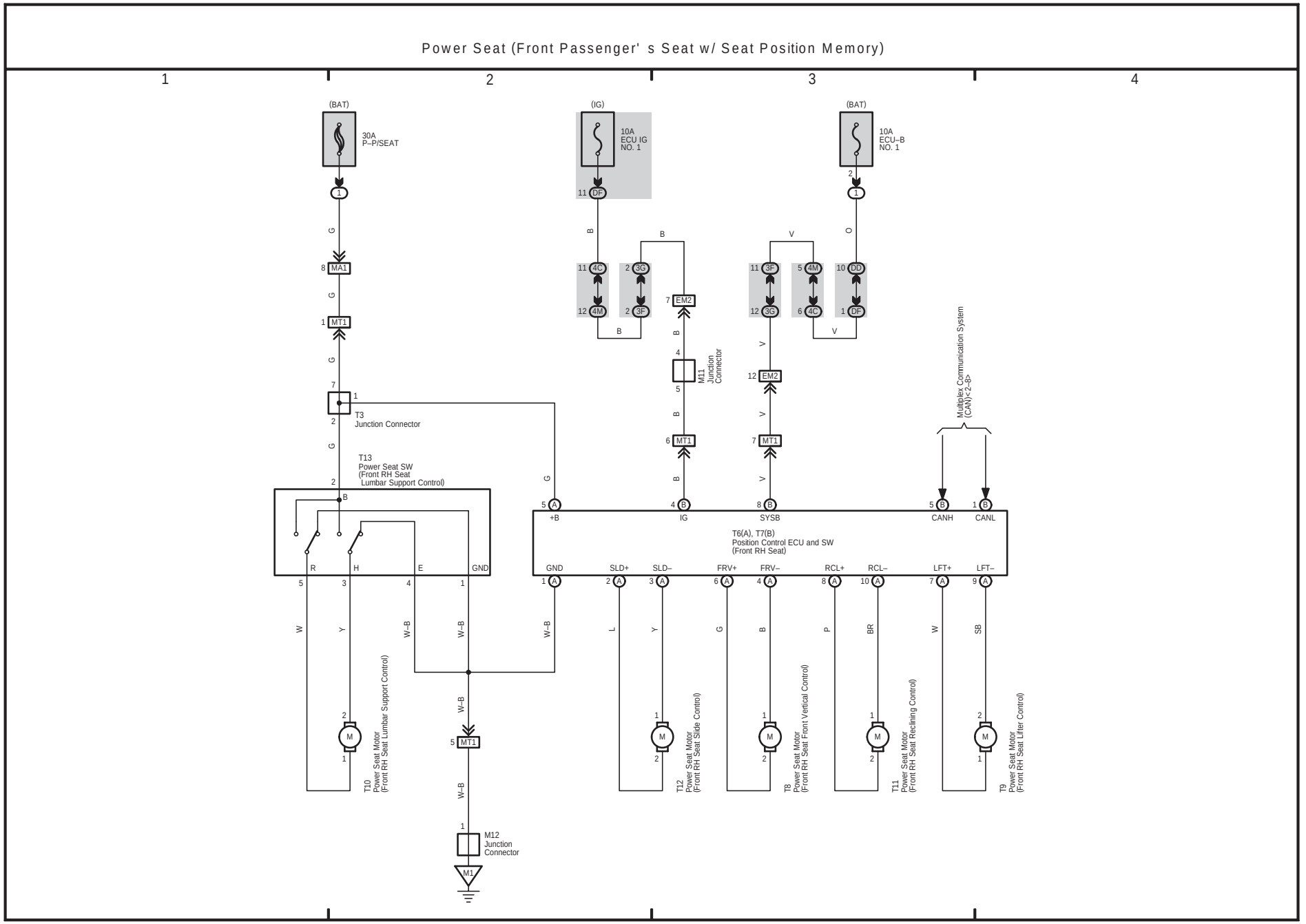

Rear Window Defogger and Mirror Heater
18 ES 350
1
2
3
4
(BAT)
50A
RR DEF
RR
DEF
Relay
(IG)
10A
A/C
NO. 2
A27(A), A28(B)
Junction
Connector
15A
MIR HTR
L20
Noise Filter
(Rear Window Defogger)
L25(A), N1(B)
Rear Window
Defogger
Mirror Heater
i3
Outer Rear
View Mirror (LH)
Mirror Heater
H4
Outer Rear
View Mirror (RH)
E37
Junction
Connector
A/C Amplifier
<33-6>
W-B

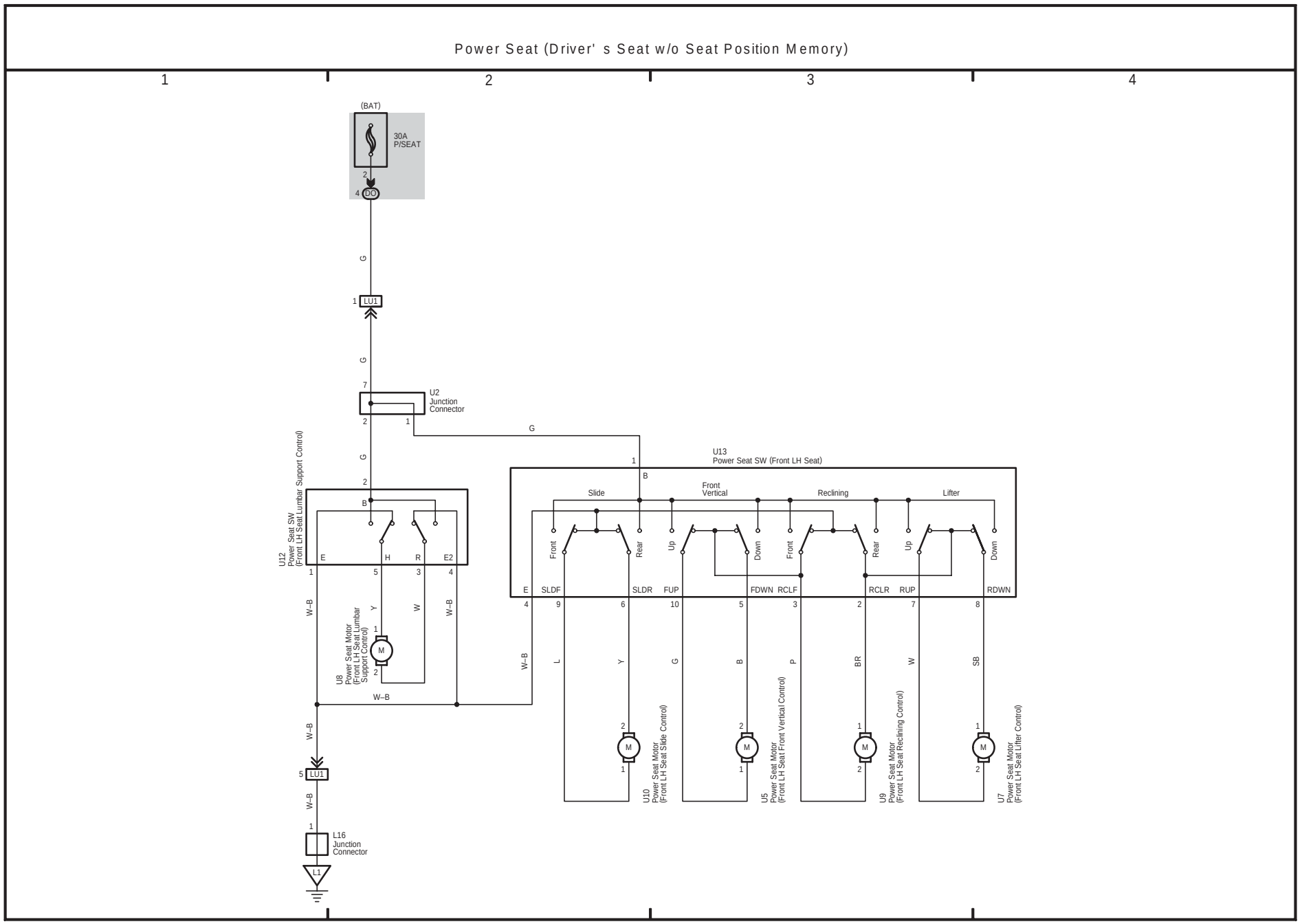

Wiper and Washer (w/ Auto Wiper System)
* 1 : w/ Dynamic Radar Cruise Control
1
2
3
4
(IG)
25A
WIP
2 DC
2 DI
LG
L
9
E35
Junction
Connector
10
11
E28(A), E29(B)
Windshield Wiper SW Assembly
Wiper SW
MIST
OFF
AUTO
LO
HI
+B
+2
+1
+S
AUTO
E
Washer SW
Off
On
EW
WF
VR1
VR2
(IG)
10A
WASH
12 DC
(IG)
10A
ECU IG
NO. 1
11 DF
A49
Windshield
Washer Motor
Distance
Control ECU
<6–15>
(*1)
A25(A), E33(B)
Junction
Connector
11 4C
12 4J
E11
Windshield Wiper Relay
IG
+2S
+SSW
C1
CO
VR1
VR2
+2
+1
+SM
PA1
SIG
E
E
SPD
TAIL
WIG
W
A25(A), E33(B)
Junction
Connector
AE2
EQ1
Combination Meter
<31–2>
Main Body ECU
<2–11>
4J
4E
Distance
Control ECU
<6–15>
LG
+2
+1
+S
A50
Windshield Wiper Motor
AUTO
SIG
ES
Q3
Rain Sensor
W–B
E37
Junction
Connector
A5
E2

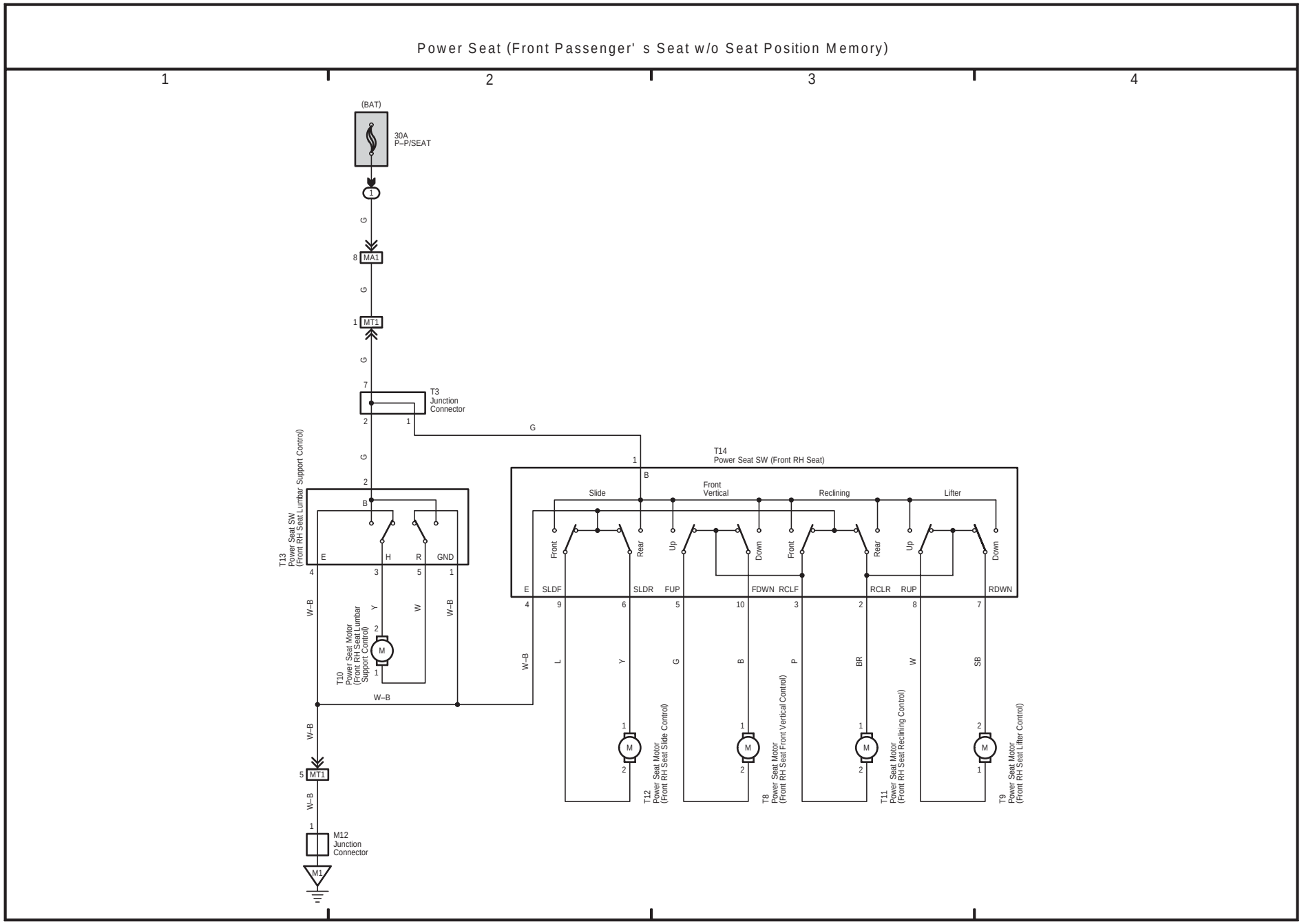

Wiper and Washer (w/o Auto Wiper System)
1
2
3
4
(IG)
25A
WIP
(IG)
10A
WASH
2 DI
2 DC
12 DC
E28(A), E29(B)
Windshield Wiper SW Assembly
Wiper SW
MIST
OFF
INT
LO
HI
B1
INT2
INT1
+S
+1
+2
+B
Wiper Relay
WF
EW
+S
+1
+2
+B
Washer SW
Off
On
EW
W
A25(A), E40(B)
Junction
Connector
A49
Windshield
Washer Motor
E35
Junction
Connector
A25(A), E33(B)
Junction
Connector
AE2
AE2
A50
Windshield Wiper Motor
E37
Junction
Connector
A5
E2


Power Tilt and Power Telescopic
1
2
3
4
(BAT)
30A
TI&TE
12 DL
(BAT)
10A
ECU–B
NO. 1
2
1
(IG)
10A
ECU IG
NO. 1
11 DF
O
10 DD
1 DF
B
W
V
6 4C
5 4K
11 4C
10 4K
V
B
E27
Headlamp Dimmer SW Assembly
Down
Short
Up
Long
Tilt and Telescopic SW
VC
MSW
8
10
LG
GR
Multiplex Communication System
(CAN)<2–8>
E79
Tilt and Telescopic ECU
2
9
8
4
3
5
14
+B
ECUB
IG
VC
MSW
CANH
CANL
TIM+
TIM–
VCI
TIS
E1
TEM+
TEM–
VCE
TES
E1
GND
10
1
6
7
17
11
B
L
B
Y
L
1
2
4
5
6
TIM+
TIM–
VCI
TIS
E1
GND
M
Telescopic
Motor
Telescopic Sensor
E80
Tilt Motor
3
W–B
W–B
10
E37
Junction
Connector
E2
E1


Power Seat (Driver' s Seat w/ Seat Position Memory)
* 1 : w/ Leg Support Control
1
2
3
4
(BAT)
30A
P/SEAT
(IG)
10A
ECU IG
NO. 1
(BAT)
10A
ECU–B
NO. 1
L14(A), L15(B)
Junction
Connector
U2
Junction Connector
U11
Power Seat SW
(Front LH Seat
Leg Support Control)
U12
Power Seat SW
(Front LH Seat
Lumbar Support Control)
Multiplex Communication System
(CAN)<2-7><2-8>
U3(A), U4(B)
Position Control ECU and SW
(Front LH Seat)
+B
IG
SYSB
CANH
CANL
CSNF
CSNR
E2
E1
R
H
E
E2
GND
SLD+
SLD–
FRV+
FRV–
RCL+
RCL–
LFT+
LFT–
U6
Power Seat Motor
(Front LH Seat Leg Support Control)
U8
Power Seat Motor
(Front LH Seat Lumbar Support Control)
U10
Power Seat Motor
(Front LH Seat Slide Control)
U5
Power Seat Motor
(Front LH Seat Front Vertical Control)
U9
Power Seat Motor
(Front LH Seat Reclining Control)
U7
Power Seat Motor
(Front LH Seat Lifter Control)
U2
Junction
Connector
L16
Junction
Connector
L1

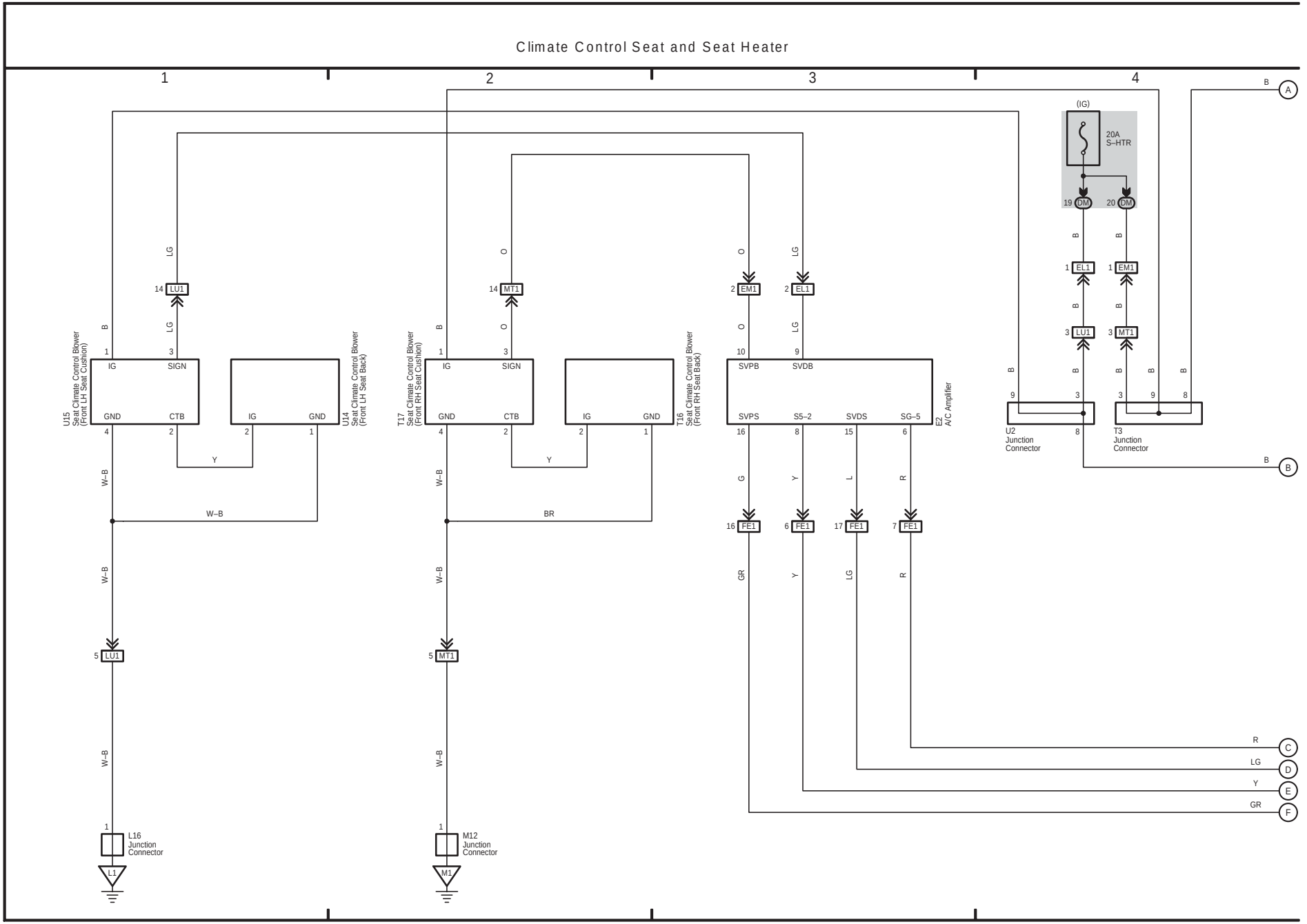

Power Seat (Front Passenger' s Seat w/ Seat Position Memory)
1
2
3
4
(BAT)
30A
P–P/SEAT
(IG)
10A
ECU IG
NO. 1
(BAT)
10A
ECU–B
NO. 1
MA1
MT1
T3
Junction Connector
T13
Power Seat SW
(Front RH Seat
Lumbar Support Control)
M11
Junction
Connector
EM2
M12
Junction
Connector
M1
Multiplex Communication System
(CAN)
T6(A), T7(B)
Position Control ECU and SW
(Front RH Seat)
+B
IG
SYSB
CANH
CANL
GND
SLD+
SLD–
FRV+
FRV–
RCL+
RCL–
LFT+
LFT–
R
H
E
GND
T10
Power Seat Motor
(Front RH Seat Lumbar Support Control)
T12
Power Seat Motor
(Front RH Seat Slide Control)
T8
Power Seat Motor
(Front RH Seat Front Vertical Control)
T11
Power Seat Motor
(Front RH Seat Reclining Control)
T9
Power Seat Motor
(Front RH Seat Lifter Control)

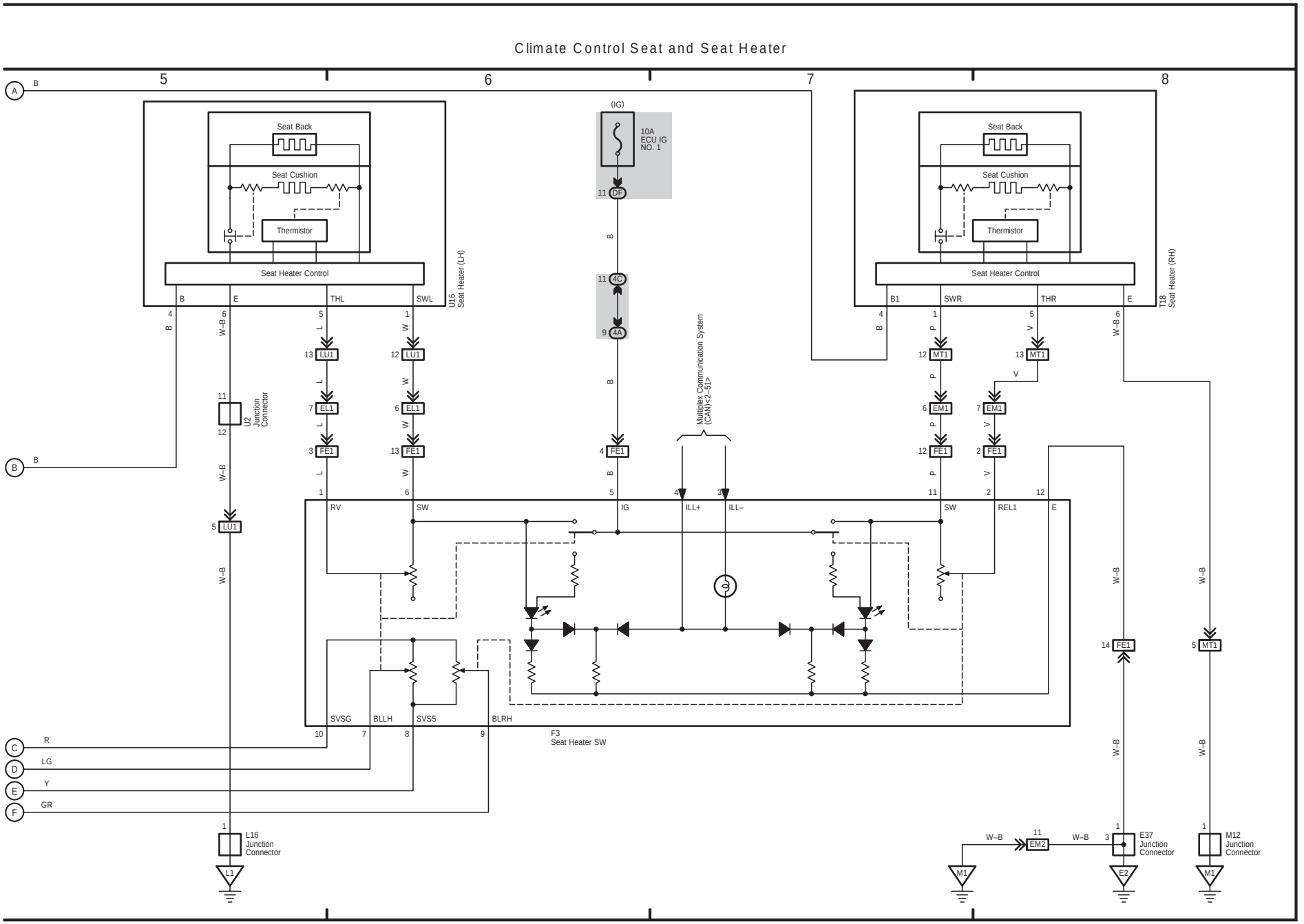

Power Seat (Driver' s Seat w/o Seat Position Memory)
1
2
3
4
(BAT)
30A
P/SEAT
2
4
DO
G
1
LU1
G
7
U2
Junction
Connector
2
1
G
G
2
B
U12
Power Seat SW
(Front LH Seat Lumbar Support Control)
E
H
R
E2
1
5
3
4
W–B
Y
W
W–B
1
M
2
U8
Power Seat Motor
(Front LH Seat Lumbar
Support Control)
W–B
W–B
5
LU1
W–B
1
L16
Junction
Connector
L1
G
1
U13
Power Seat SW (Front LH Seat)
B
Slide
Front
Vertical
Reclining
Lifter
Front
Rear
Up
Down
Front
Rear
Up
Down
E
SLDF
SLDR
FUP
FDWN
RCLF
RCLR
RUP
RDWN
4
9
6
10
5
3
2
7
8
W–B
L
Y
G
B
P
BR
W
SB
2
M
1
U10
Power Seat Motor
(Front LH Seat Slide Control)
2
M
1
U5
Power Seat Motor
(Front LH Seat Front Vertical Control)
1
M
2
U9
Power Seat Motor
(Front LH Seat Reclining Control)
1
M
2
U7
Power Seat Motor
(Front LH Seat Lifter Control)


Power Seat (Front Passenger' s Seat w/o Seat Position Memory)
1
2
3
4
(BAT)
30A
P–P/SEAT
1
G
8 MA1
G
1 MT1
G
7
T3
Junction
Connector
2
1
G
G
2
T13
Power Seat SW
(Front RH Seat Lumbar Support Control)
B
E
H
R
GND
4
3
5
1
W–B
Y
W
W–B
2
M
1
T10
Power Seat Motor
(Front RH Seat Lumbar
Support Control)
W–B
W–B
5 MT1
W–B
1
M12
Junction
Connector
M1
G
1
T14
Power Seat SW (Front RH Seat)
B
Slide
Front
Vertical
Reclining
Lifter
Front
Rear
Up
Down
Front
Rear
Up
Down
E
SLDF
SLDR
FUP
FDWN
RCLF
RCLR
RUP
RDWN
4
9
6
5
10
3
2
8
7
W–B
L
Y
G
B
P
BR
W
SB
1
M
2
T12
Power Seat Motor
(Front RH Seat Slide Control)
1
M
2
T8
Power Seat Motor
(Front RH Seat Front Vertical Control)
1
M
2
T11
Power Seat Motor
(Front RH Seat Reclining Control)
2
M
1
T9
Power Seat Motor
(Front RH Seat Lifter Control)

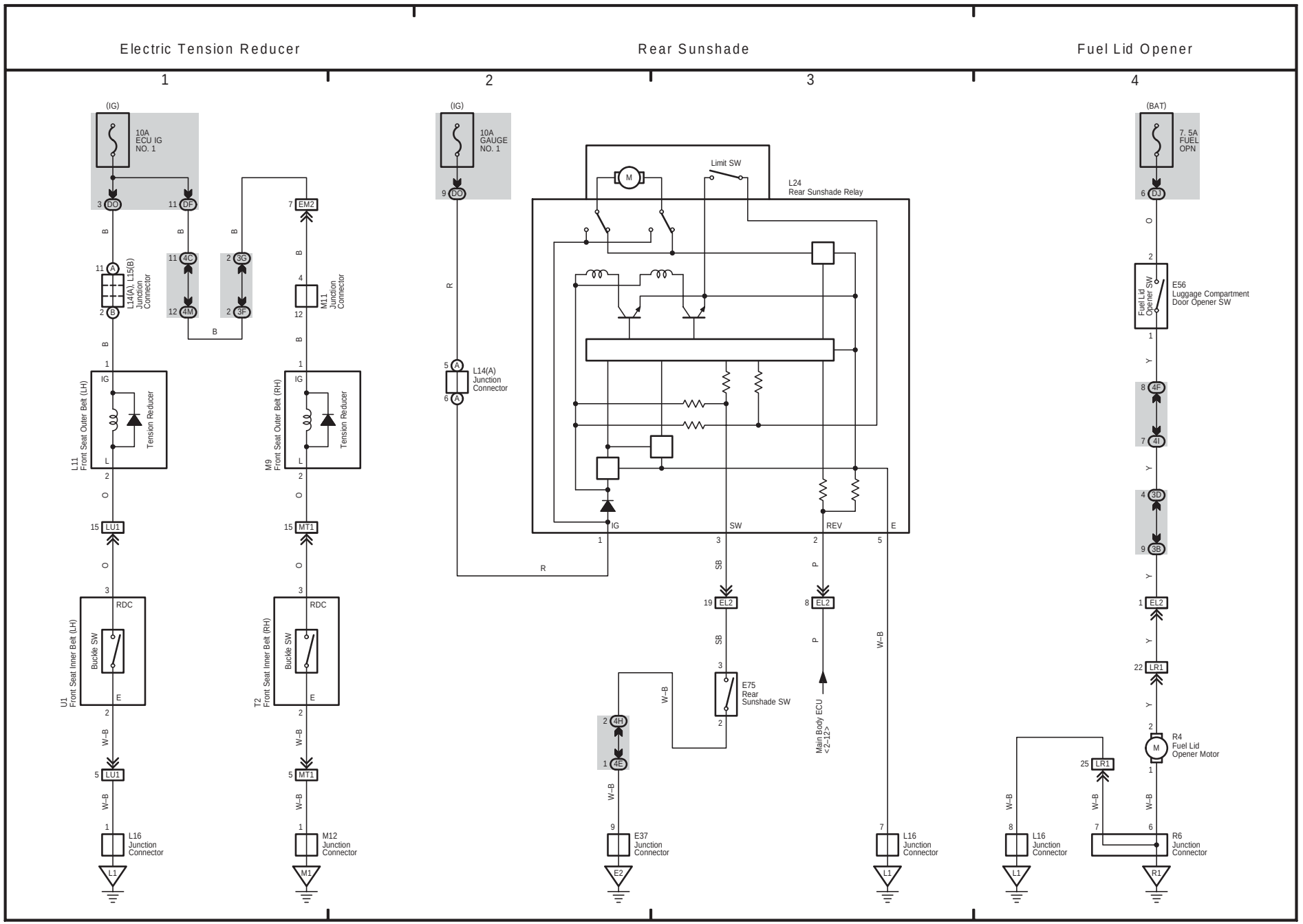
(Cont. next page)

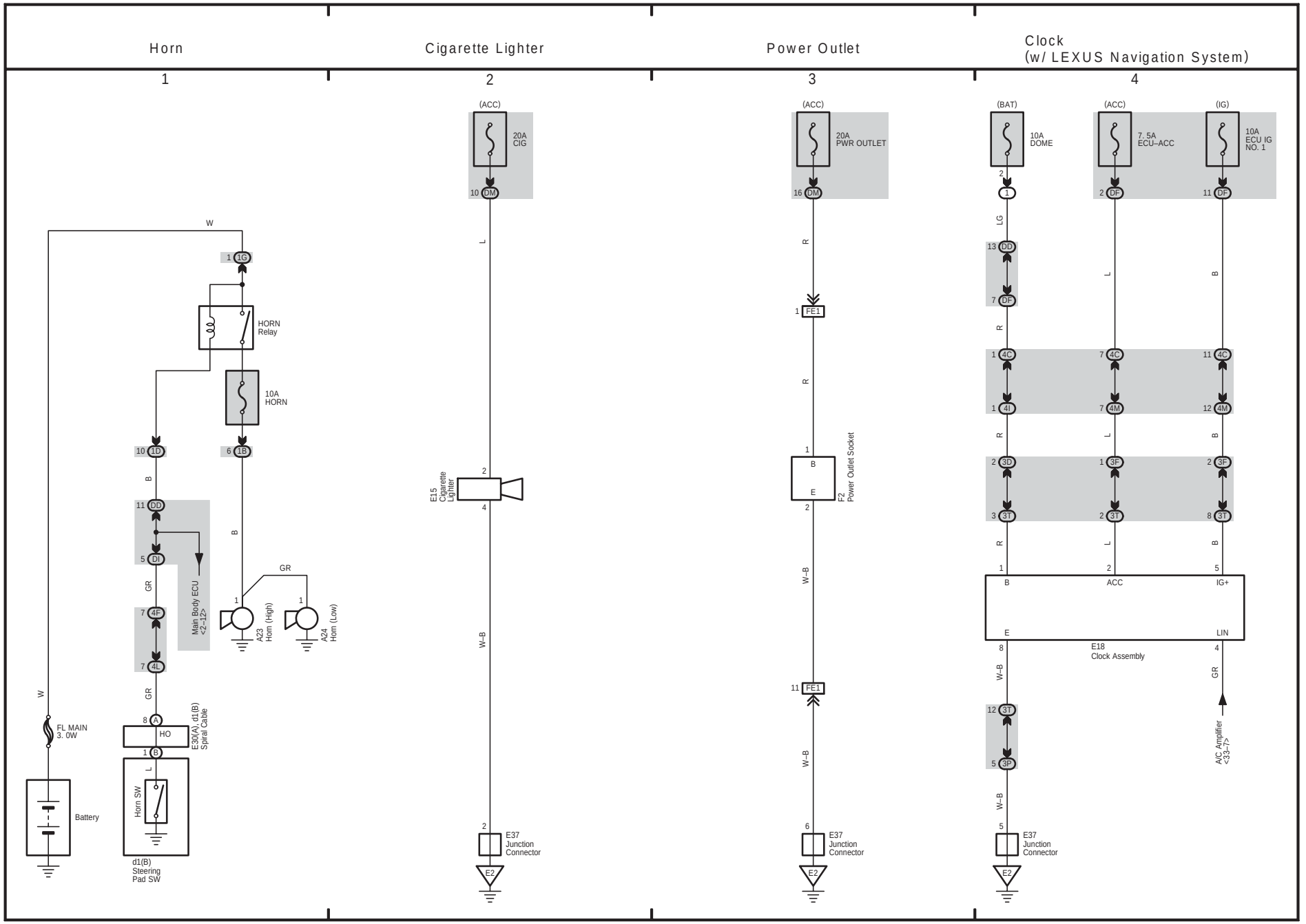
Climate Control Seat and Seat Heater

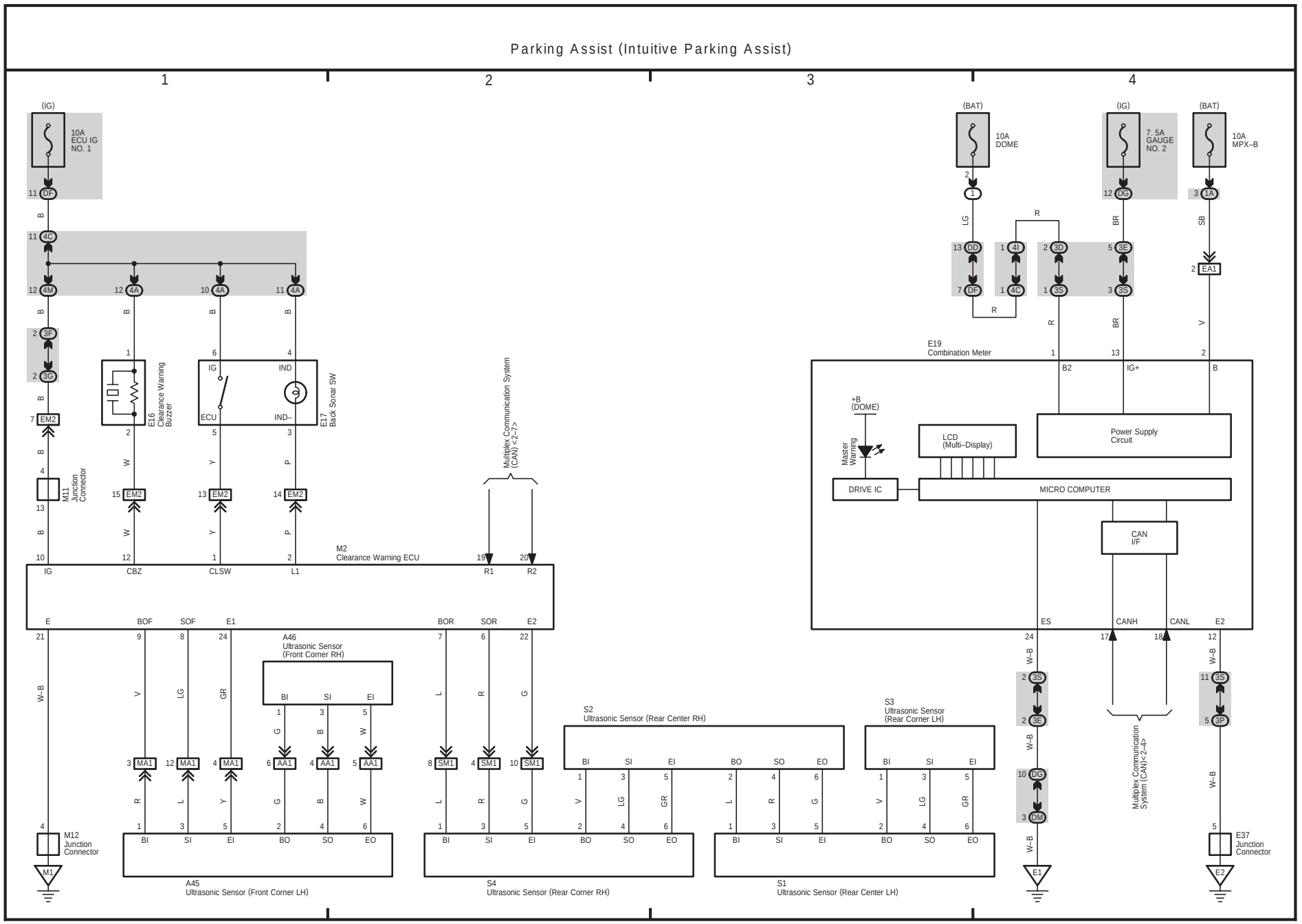



Climate Control Seat and Seat Heater
5
6
7
8
(IG)
10A
ECU IG
NO. 1
11 DF
Seat Back
Seat Cushion
Thermistor
Seat Heater Control
B
E
THL
SWL
U16
Seat Heater (LH)
B1
SWR
THR
T18
Seat Heater (RH)
Multiplex Communication System
(CAN)<2-51>
U2
Junction
Connector
LU1
EL1
FE1
MT1
EM1
RV
SW
IG
ILL+
ILL–
REL1
E
SVSG
BLLH
SVS5
BLRH
F3
Seat Heater SW
L16
Junction
Connector
L1
E37
Junction
Connector
E2
M12
Junction
Connector
M1
EM2
W–B
R
LG
Y
GR

27 ES 350

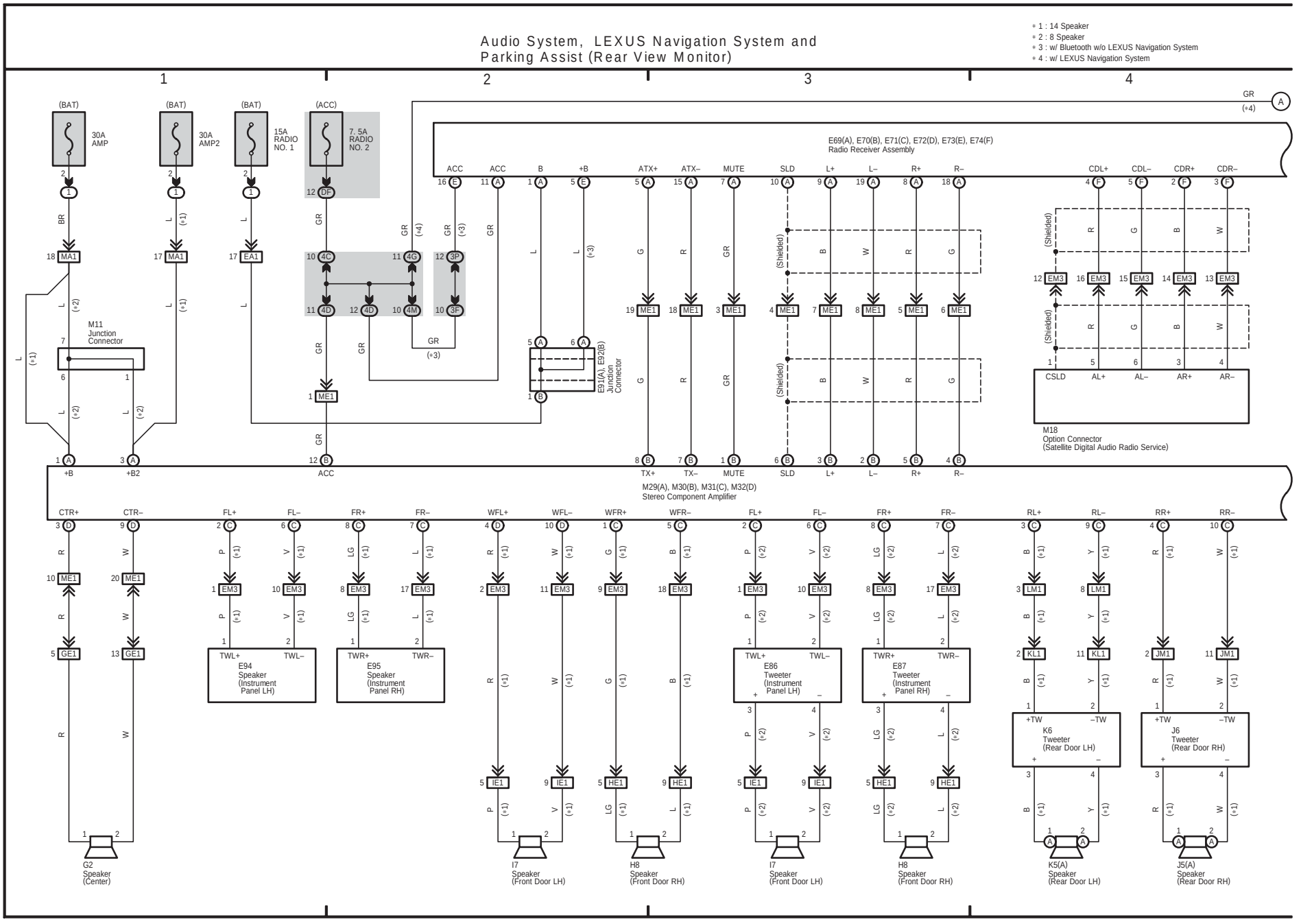

Electric Tension Reducer
Rear Sunshade
Fuel Lid Opener
1
2
3
4
(IG)
10A ECU IG NO. 1
3 DO
11 DF
B
11 A
L14(A), L15(B) Junction Connector
2 B
11 4C
12 4M
2 3G
2 3F
1
IG
L11 Front Seat Outer Belt (LH) Tension Reducer
L
2
O
15 LU1
3
RDC
U1 Front Seat Inner Belt (LH) Buckle SW
E
2
W–B
5 LU1
1
L16 Junction Connector
L1
7 EM2
4
M11 Junction Connector
12
M9 Front Seat Outer Belt (RH) Tension Reducer
15 MT1
T2 Front Seat Inner Belt (RH) Buckle SW
5 MT1
M12 Junction Connector
M1
(IG)
10A GAUGE NO. 1
9 DO
R
5 A
6 A
L14(A) Junction Connector
Limit SW
M
L24 Rear Sunshade Relay
IG
SW
REV
E
SB
19 EL2
P
8 EL2
W–B
3
E75 Rear Sunshade SW
2
Main Body ECU <2-12>
2 4H
1 4E
9
E37 Junction Connector
E2
7
L16 Junction Connector
L1
(BAT)
7. 5A FUEL OPN
6 DJ
O
2
Fuel Lid Opener SW
E56 Luggage Compartment Door Opener SW
Y
8 4F
7 4I
4 3D
9 3B
1 EL2
22 LR1
M
R4 Fuel Lid Opener Motor
25 LR1
8
L16 Junction Connector
L1
7
6
R6 Junction Connector
R1


Horn
1
Cigarette Lighter
2
Power Outlet
3
Clock
(w/ LEXUS Navigation System)
4
(ACC)
20A
CIG
10
DM
(ACC)
20A
PWR OUTLET
16
DM
(BAT)
10A
DOME
(ACC)
7. 5A
ECU–ACC
(IG)
10A
ECU IG
NO. 1
W
1
1G
HORN
Relay
10A
HORN
10
1D
6
1B
B
11
DD
5
DI
GR
7
4F
7
4L
GR
8
A
HO
1
B
L
Horn SW
d1(B)
Steering
Pad SW
E30(A), d1(B)
Spiral Cable
Main Body ECU
<2–12>
B
GR
1
A23
Horn (High)
1
A24
Horn (Low)
W
FL MAIN
3. 0W
Battery
L
2
E15
Cigarette
Lighter
4
W–B
2
E37
Junction
Connector
E2
R
1
FE1
R
1
B
E
2
F2
Power Outlet Socket
W–B
11
FE1
W–B
6
E37
Junction
Connector
E2
LG
13
DD
7
DF
R
1
4C
1
4I
R
2
3D
3
3T
R
1
B
2
3T
1
3P
W–B
5
E37
Junction
Connector
E2
L
2
DF
R
1
4C
7
4C
L
7
4M
L
2
3F
2
3T
L
2
ACC
E
8
W–B
12
3T
B
11
DF
B
11
4C
12
4M
B
2
3F
8
3T
B
5
IG+
LIN
4
GR
E18
Clock Assembly
A/C Amplifier
<33–7>
M


Parking Assist (Intuitive Parking Assist)
1
2
3
4
(IG)
10A ECU IG NO. 1
11 DF
11 4C
12 4M
12 4A
10 4A
11 4A
2 3F
2 3G
7 EM2
M11 Junction Connector
13
10
IG
15 EM2
12
CBZ
E16 Clearance Warning Buzzer
13 EM2
1
CLSW
E17 Back Sonar SW
ECU
IND–
IG
IND
14 EM2
2
L1
Multiplex Communication System (CAN) <2-7>
19
R1
20
R2
M2 Clearance Warning ECU
E
BOF
SOF
E1
BOR
SOR
E2
21
9
8
24
7
6
22
W–B
V
LG
GR
L
R
G
A46 Ultrasonic Sensor (Front Corner RH)
BI
SI
EI
3 MA1
12 MA1
4 MA1
6 AA1
4 AA1
5 AA1
8 SM1
4 SM1
10 SM1
M12 Junction Connector
M1
A45 Ultrasonic Sensor (Front Corner LH)
S4 Ultrasonic Sensor (Rear Corner RH)
S2 Ultrasonic Sensor (Rear Center RH)
BO
SO
EO
S3 Ultrasonic Sensor (Rear Corner LH)
S1 Ultrasonic Sensor (Rear Center LH)
(BAT)
10A DOME
2
1
LG
13 DD
7 DF
R
1 4I
1 4C
2 3D
1 3S
5 3E
3 3S
BR
(IG)
7. 5A GAUGE NO. 2
12 DG
(BAT)
10A MPX–B
3 1A
SB
2 EA1
V
E19 Combination Meter
B2
IG+
B
+B (DOME)
Master Warning
LCD (Multi–Display)
Power Supply Circuit
DRIVE IC
MICRO COMPUTER
CAN I/F
ES
CANH
CANL
E2
24
17
18
12
2 3S
2 3E
10 DG
3 DM
E1
Multiplex Communication System (CAN) <2–4>
11 3S
5 3P
E37 Junction Connector
5
E2

Audio System, LEXUS Navigation System and Parking Assist (Rear View Monitor)

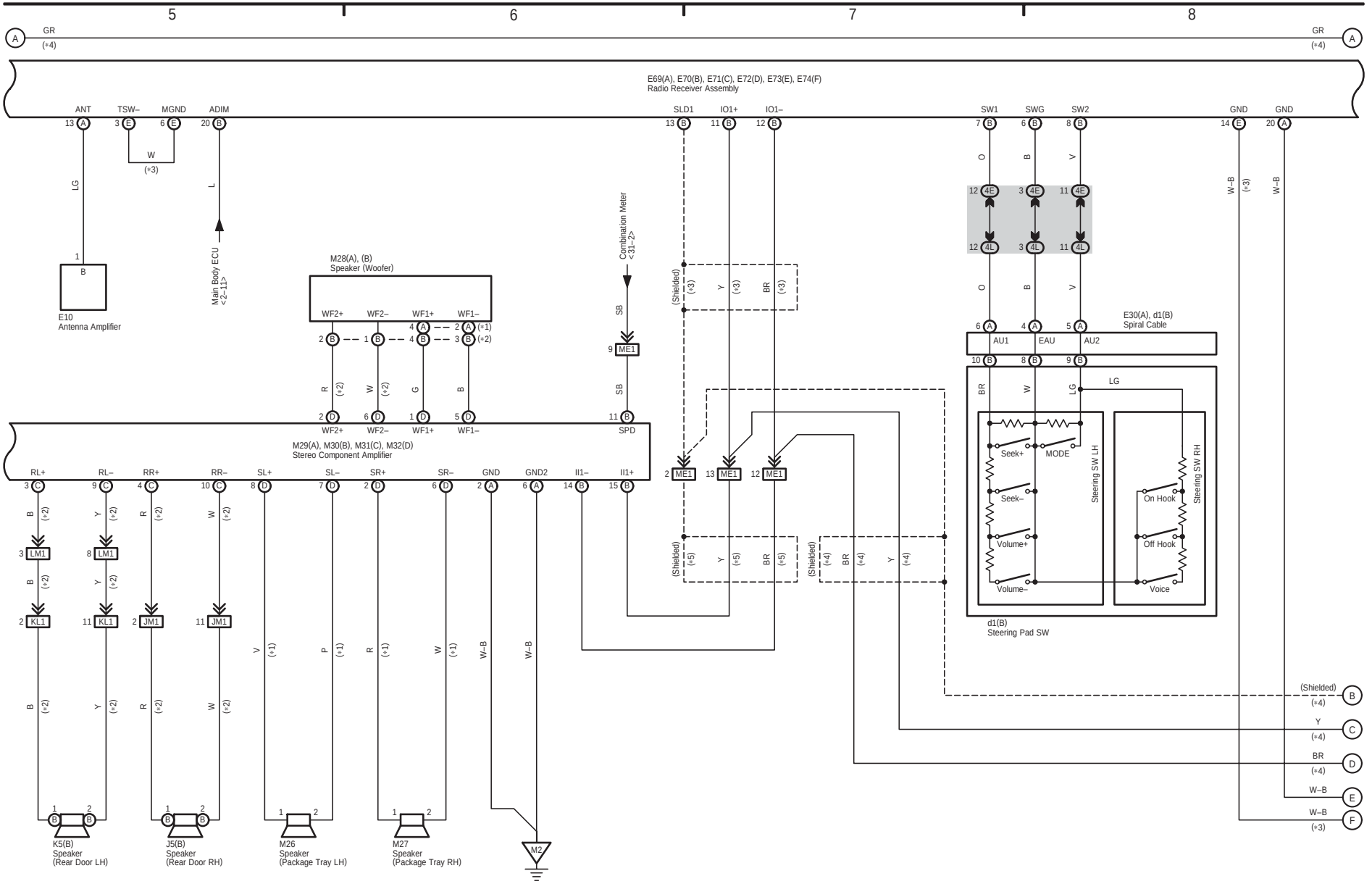
* 1 : 14 Speaker
* 2 : 8 Speaker
* 3 : w/ Bluetooth w/o LEXUS Navigation System
* 4 : w/ LEXUS Navigation System



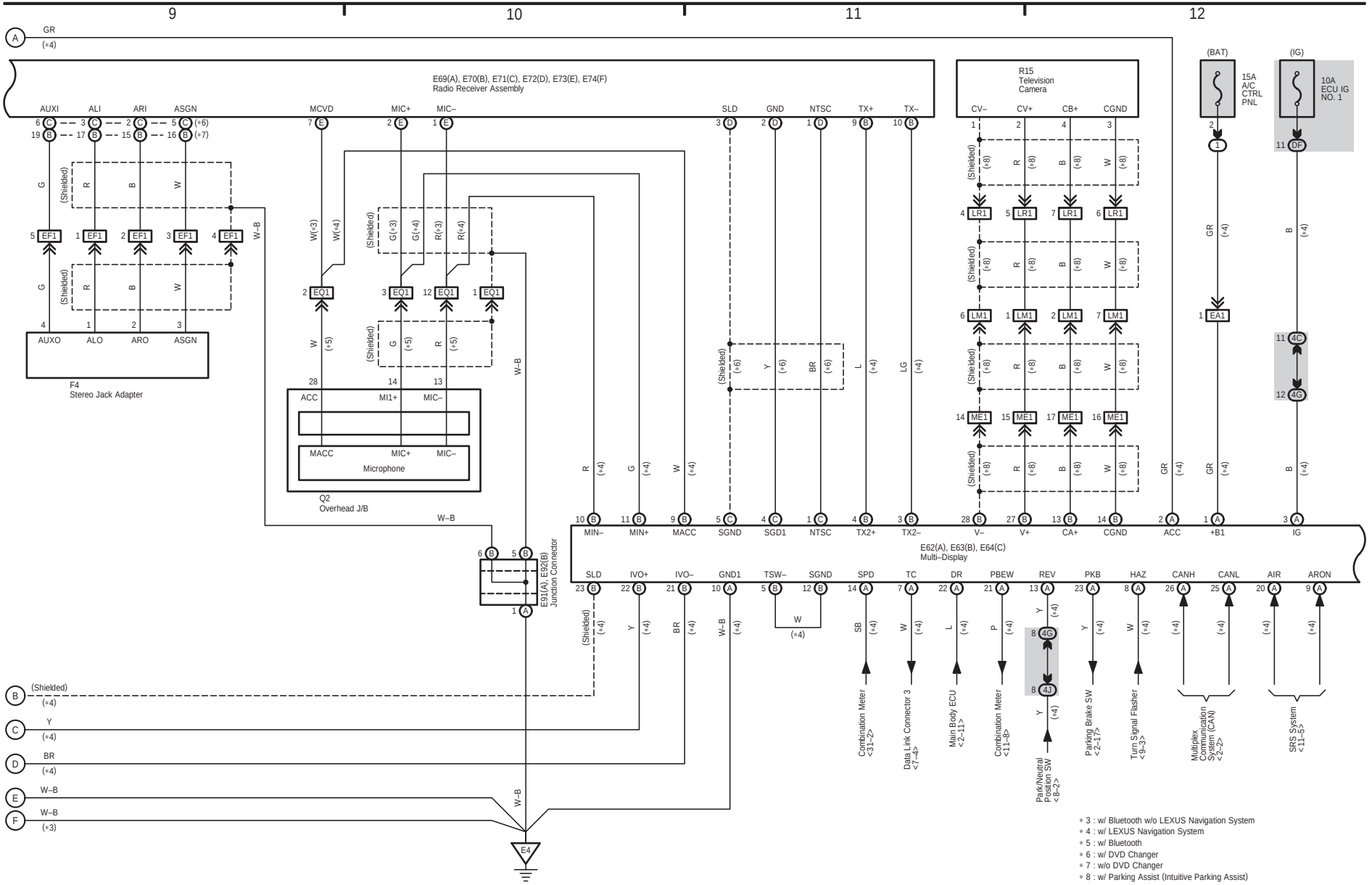
(Cont. next page)

Audio System, LEXUS Navigation System and Parking Assist (Rear View Monitor)

* 1 : 14 Speaker
* 2 : 8 Speaker
* 3 : w/ Bluetooth w/o LEXUS Navigation System
* 4 : w/ LEXUS Navigation System
* 5 : w/ Bluetooth

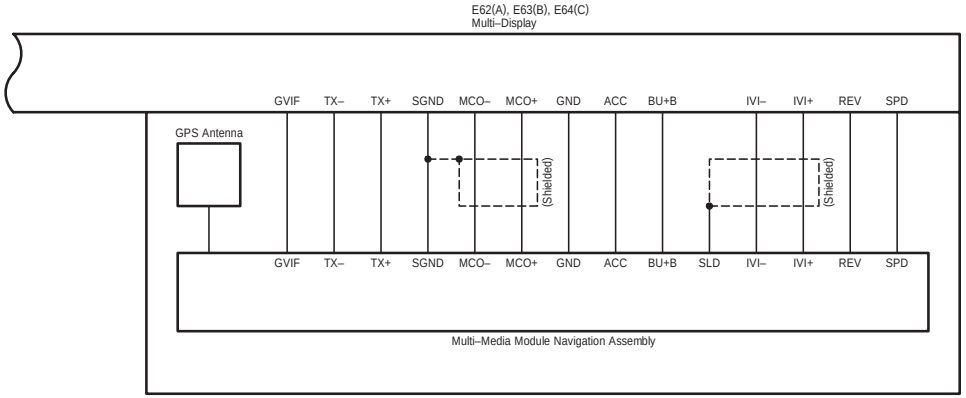


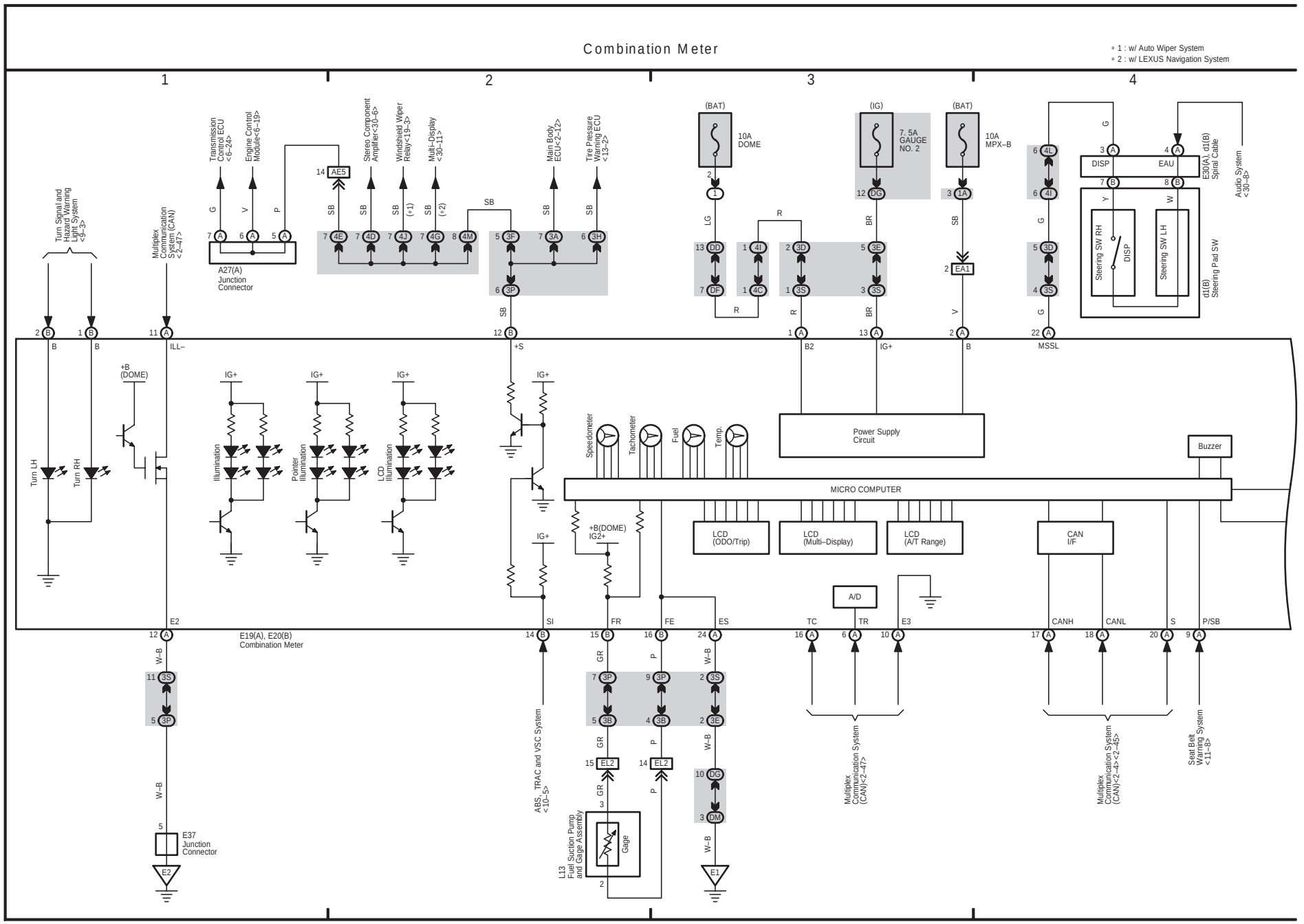
Audio System, LEXUS Navigation System and Parking Assist (Rear View Monitor)

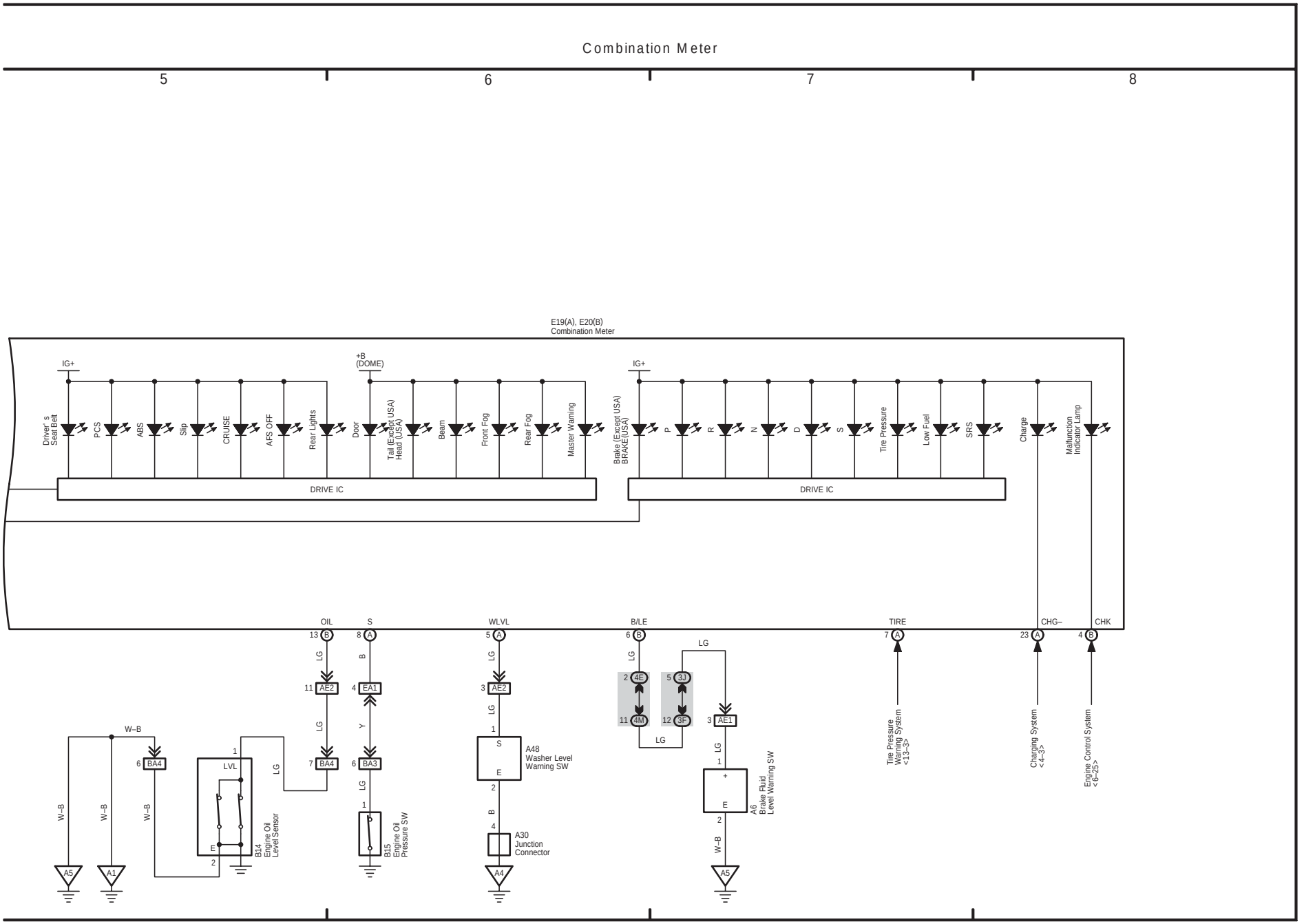


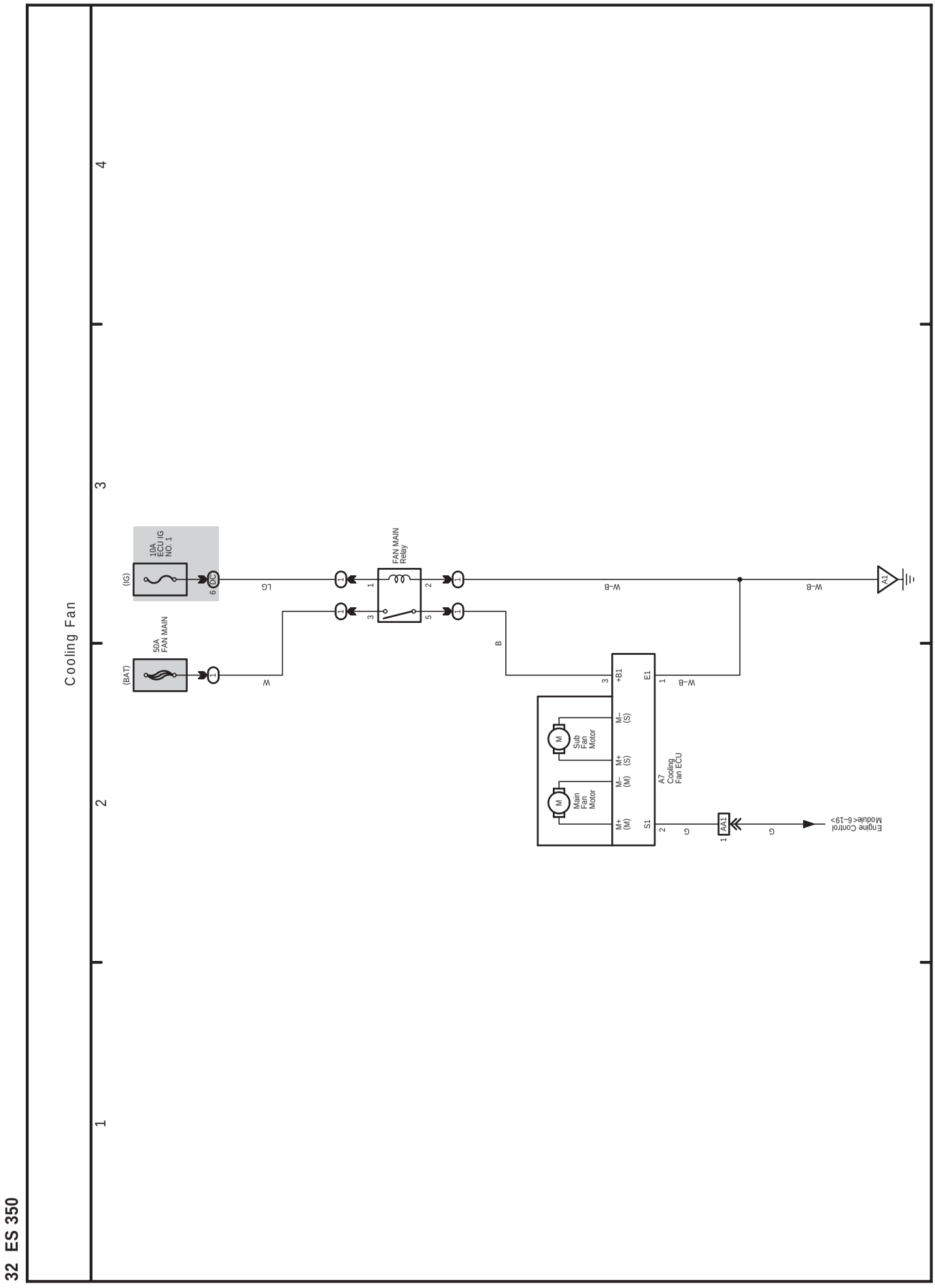
Audio System, LEXUS Navigation System and Parking Assist (Rear View Monitor)

13	14	15	16



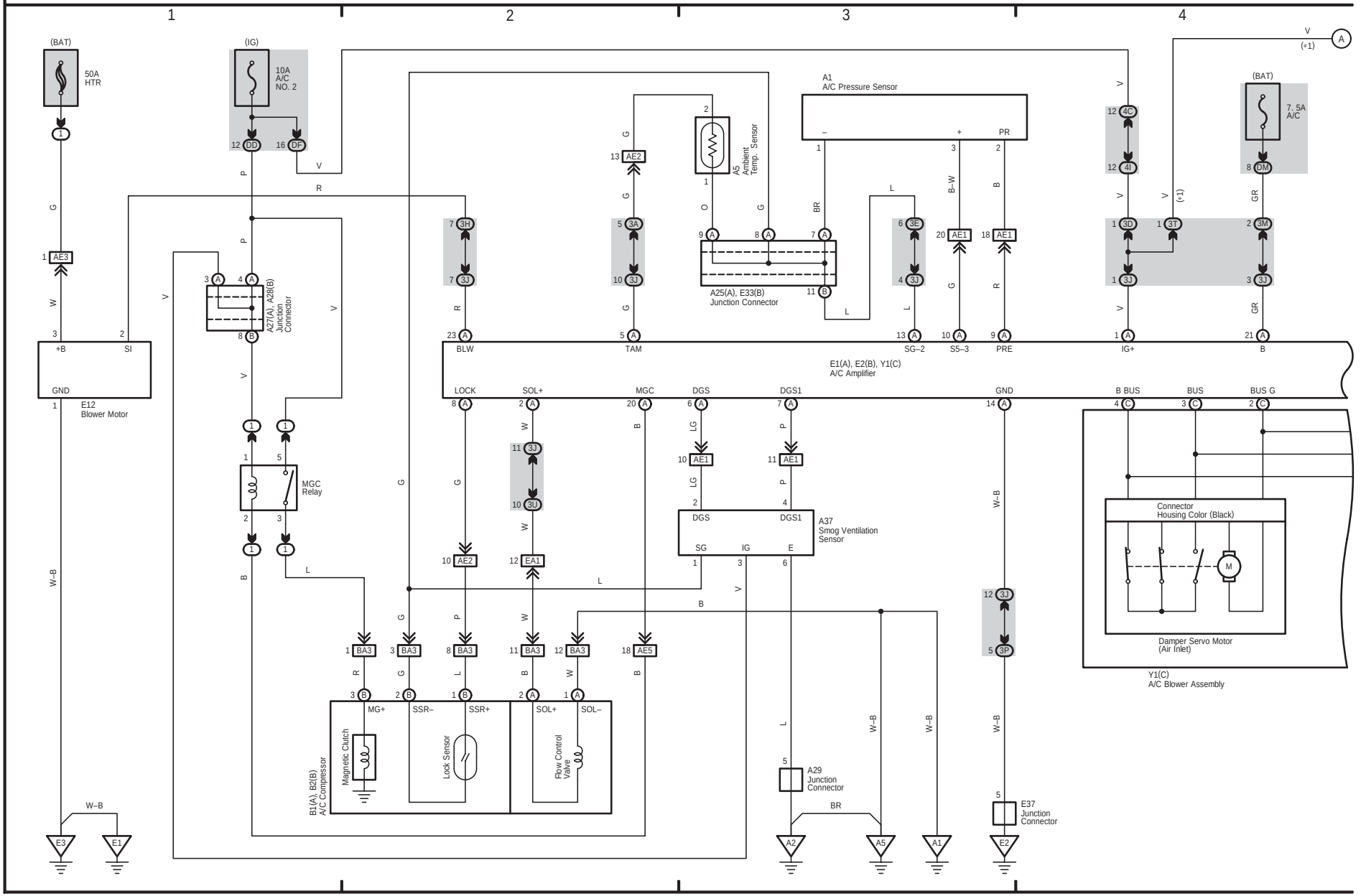

Combination Meter
* 1 : w/ Auto Wiper System
* 2 : w/ LEXUS Navigation System
1
2
3
4
Transmission Control ECU <6-24>
Engine Control Module<6-19>
Stereo Component Amplifier<30-6>
Windshield Wiper Relay<19-3>
Multi-Display <30-11>
Main Body ECU<2-12>
Tire Pressure Warning ECU <13-2>
Turn Signal and Hazard Warning Light System <9-3>
Multiplex Communication System (CAN) <2-47>
A27(A) Junction Connector
(BAT)
10A DOME
(IG)
7, 5A GAUGE NO. 2
(BAT)
10A MPX–B
DISP
EAU
E30(A), d1(B) Spiral Cable
Audio System <30-3>
Steering SW RH
Steering SW LH
d1(B) Steering Pad SW
Turn LH
Turn RH
+B (DOME)
Illumination
Pointer Illumination
LCD Illumination
ILL–
+S
B2
IG+
B
MSSL
Power Supply Circuit
Speedometer
Tachometer
Fuel
Temp.
Buzzer
MICRO COMPUTER
+B(DOME) IG2+
LCD (ODO/Trip)
LCD (Multi–Display)
LCD (A/T Range)
CAN I/F
A/D
E2
E19(A), E20(B) Combination Meter
SI
FR
FE
ES
TC
TR
E3
CANH
CANL
S
P/SB
ABS, TRAC and VSC System <10–5>
L13 Fuel Suction Pump and Gage Assembly
Gage
E37 Junction Connector
E1
Multiplex Communication System (CAN)<2-47>
Multiplex Communication System (CAN)<2-4><2-45>
Seat Belt Warning System <11-8>

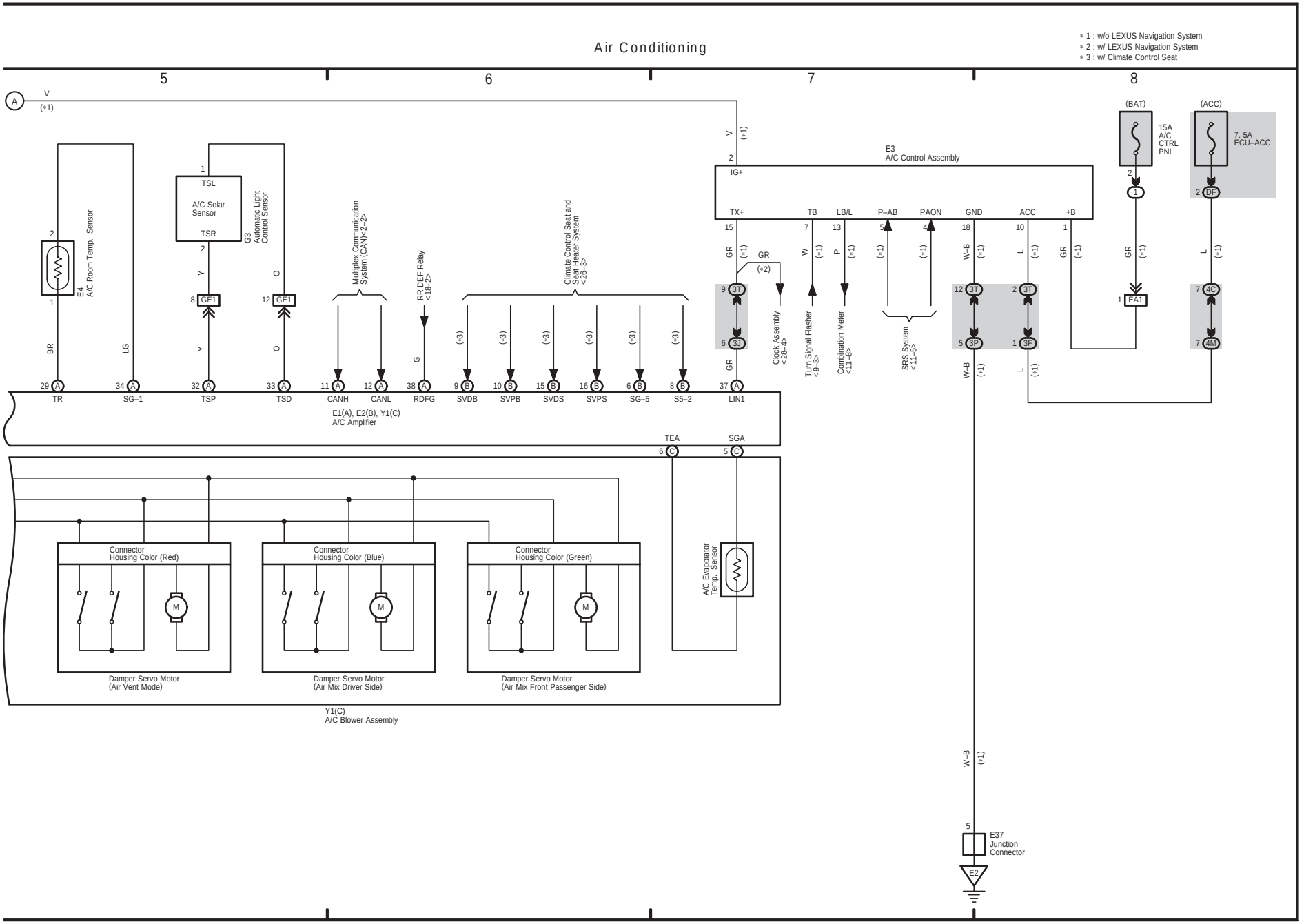

Combination Meter
5
6
7
8
E19(A), E20(B)
Combination Meter
IG+
+B
(DOME)
IG+
Driver' s
Seat Belt
PCS
ABS
Slip
CRUISE
AFS OFF
Rear Lights
Door
Tail (Except USA)
Head (USA)
Beam
Front Fog
Rear Fog
Master Warning
Brake (Except USA)
BRAKE(USA)
P
R
N
D
S
Tire Pressure
Low Fuel
SRS
Charge
Malfunction
Indicator Lamp
DRIVE IC
DRIVE IC
OIL
S
WLVL
B/LE
TIRE
CHG–
CHK
13 B
8 A
5 A
6 B
7 A
23 A
4 B
LG
B
LG
LG
LG
11 AE2
4 EA1
3 AE2
2 4E
5 3J
3 AE1
11 4M
12 3F
LG
LG
Y
LG
LG
W–B
6 BA4
7 BA4
6 BA3
1
LVL
LG
S
A48
Washer Level
Warning SW
E
2
B
4
A30
Junction
Connector
+
E
2
W–B
A5
A1
A4
A5
E
2
B14
Engine Oil
Level Sensor
B15
Engine Oil
Pressure SW
A6
Brake Fluid
Level Warning SW
Tire Pressure
Warning System
<13–3>
Charging System
<4–3>
Engine Control System
<6–25>


Cooling Fan
1
2
3
4
32 ES 350
10A
ECU IG
NO. 1
(IG)
6
IG1
50A
FAN MAIN
(BAT)
FAN MAIN
Relay
LG
W
W–B
B
A1
+B1
E1
M–
(S)
M+
(S)
M–
(M)
M+
(M)
S1
Sub
Fan
Motor
Main
Fan
Motor
A7
Cooling
Fan ECU
AA1
Engine Control
Module<6–19>

Air Conditioning

* 1 : w/o LEXUS Navigation System




Air Conditioning
* 1 : w/o LEXUS Navigation System
* 2 : w/ LEXUS Navigation System
* 3 : w/ Climate Control Seat
5
6
7
8
A
V
(*1)
E4
A/C Room Temp. Sensor
G3
Automatic Light Control Sensor
TSL
A/C Solar Sensor
TSR
Multiplex Communication System (CAN)<2–2>
RR DEF Relay <18–2>
Climate Control Seat and Seat Heater System <26–3>
E3
A/C Control Assembly
IG+
TX+
TB
LB/L
P–AB
PAON
GND
ACC
+B
(BAT)
(ACC)
15A
A/C
CTRL
PNL
7. 5A
ECU–ACC
Clock Assembly <28–4>
Turn Signal Flasher <9–3>
Combination Meter <11–8>
SRS System <11–5>
TR
SG–1
TSP
TSD
CANH
CANL
RDFG
SVDB
SVPB
SVDS
SVPS
SG–5
S5–2
LIN1
E1(A), E2(B), Y1(C)
A/C Amplifier
TEA
SGA
Connector
Housing Color (Red)
Connector
Housing Color (Blue)
Connector
Housing Color (Green)
A/C Evaporator Temp. Sensor
Damper Servo Motor
(Air Vent Mode)
Damper Servo Motor
(Air Mix Driver Side)
Damper Servo Motor
(Air Mix Front Passenger Side)
Y1(C)
A/C Blower Assembly
E37
Junction
Connector
E2